

RAINFALL, STREAMFLOW, AND PEAK STAGE DATA COLLECTED AT THE MURFREESBORO, TENNESSEE, GAGING NETWORK, MARCH 1989 THROUGH JULY 1992



**Prepared by the
U.S. GEOLOGICAL SURVEY**

**in cooperation with the
CITY OF MURFREESBORO, TENNESSEE**



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Cover photograph

Bushman Creek at Pitts Lane Ford near Compton, Tennessee, December 2, 1991. View is from downstream right abutment looking at culvert. (Photograph by George S. Outlaw, U.S.Geological Survey)

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**By George S. Outlaw, David E. Butner, Ronald L.
Kemp, Aaron T. Oaks, and G. Scott Adams**

U.S. GEOLOGICAL SURVEY

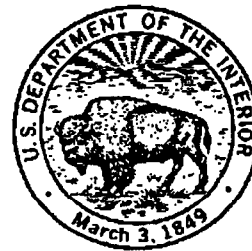
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**Nashville, Tennessee
1992**

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CONVERSION FACTORS AND VERTICAL DATUM

<u>Multiply</u>	<u>By</u>	<u>To obtain</u>
inch (in.)	2.54	centimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
cubic foot per second (ft ³ /s)	0.0283	cubic meter per second
square mile (mi ²)	2.590	square kilometer

Sea level: In this report "sea level" refers to the National Geodetic Vertical Datum of 1929—a geodetic datum derived from a general adjustment of the first-order level nets of both the United States and Canada, formerly called Sea Level Datum of 1929.

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Aaron T. Oaks, *and* G. Scott Adams

ABSTRACT

Rainfall, stage, and streamflow data in the Murfreesboro area, Middle Tennessee, were collected from March 1989 through July 1992 from a network of 68 gaging stations. The network consists of 10 tipping-bucket rain gages, 2 continuous-record streamflow gages, 4 partial-record flood hydrograph gages, and 72 crest-stage gages. Data collected by the gages includes 5-minute time-step rainfall hyetographs, 15-minute time-step flood hydrographs, and peak-stage elevations. Data are stored in a computer data base and are available for many computer modeling and engineering applications.

INTRODUCTION

In many areas of the United States, urbanization has been shown to increase flooding. Murfreesboro is a rapidly growing city in Middle Tennessee (fig. 1) where the effects of urbanization, particularly those effects that relate to flooding, are of concern to city officials. Many parts of the city have already demonstrated flooding problems.

The U.S. Geological Survey, in cooperation with the City of Murfreesboro, established a network of gages in 1989 and 1990 to collect rainfall, streamflow, and peak-stage data (fig. 1). The Murfreesboro gaging network consists of 10 rain gages, 6 streamflow gages, and 72 crest stage gages located at 68 sites (table 1 and Appendix). The data from this network may be used to calibrate a variety of hydrologic and hydraulic computer models and to aid in engineering decisions related to growth in these areas.

The purpose of this report is to summarize the rainfall, streamflow, and peak-stage data collected at the Murfreesboro gaging network during the period 1989-92. The daily rainfall amounts (tables 2-11), the daily mean discharges (tables 12 and 13), and the peak discharges (tables 14-17) show when storm events have occurred for which rainfall hyetographs and discharge hydrographs are available in the U.S. Geological Survey computer data base. The report identifies periods of estimated record resulting from gage malfunctions. Hyetographs and hydrographs are not available for periods of estimated record.

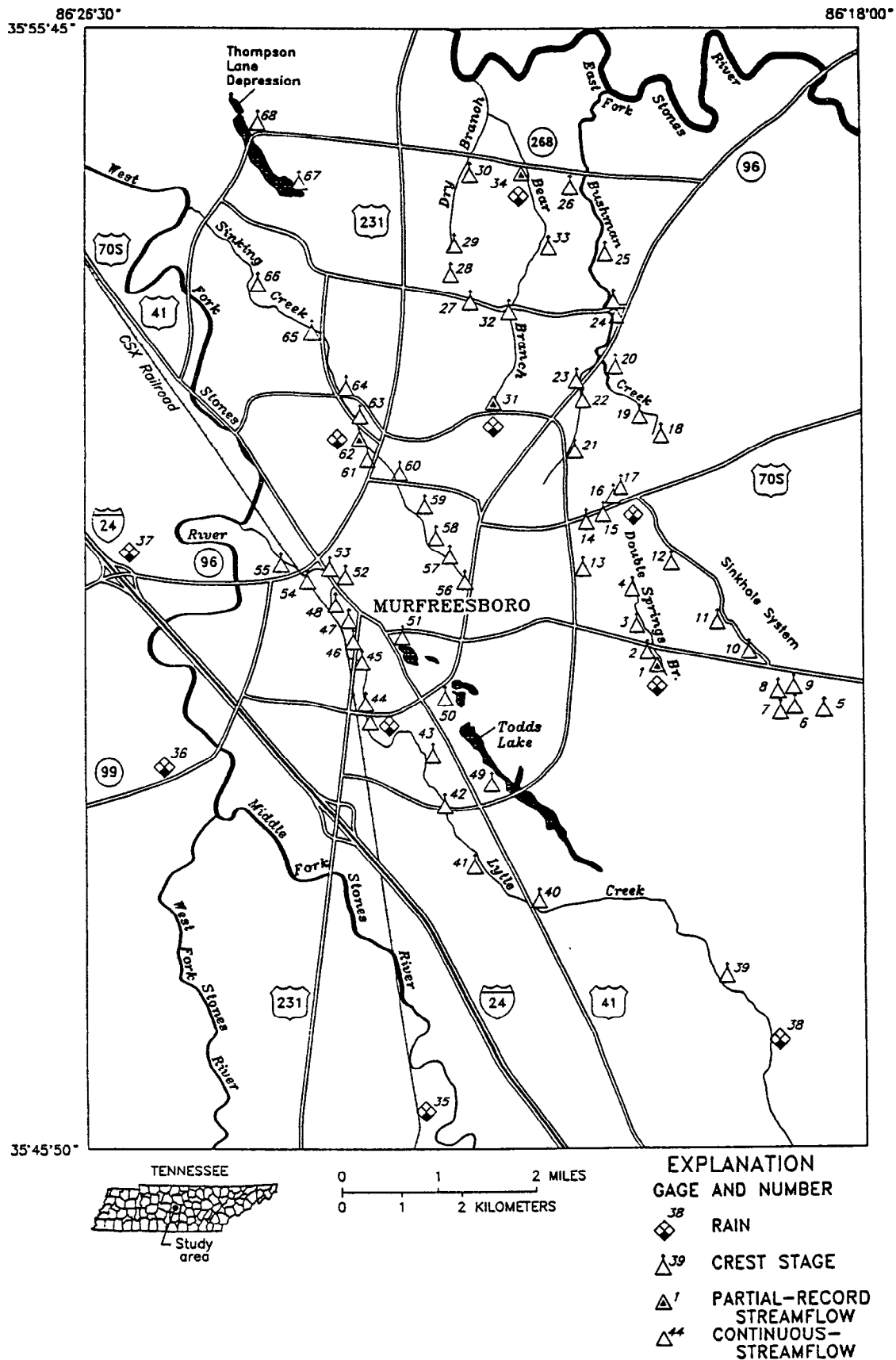


Figure 1.--Location of gages in Murfreesboro, Tennessee.

DESCRIPTION OF DATA

Daily rainfall amounts in inches are given for the rain gages in the gaging network (tables 2-11). Tipping-bucket rain gages were used to electronically record the occurrence and time interval of each 0.01 inch of rainfall. These amounts were summed at 5-minute intervals for storage in the computer data base from which hyetographs can be produced.

Two types of gages were used to record streamflow: continuous-record streamflow gages and partial-record streamflow gages. Continuous-record gages monitored the full range of flow occurring in a stream. Partial-record gages measured flow above a certain stage. The Murfreesboro gaging network had two continuous-record streamflow gages and four partial-record streamflow gages. Automatic instruments recorded the stage (water level) of the stream every 5 minutes. Stage has been converted to discharge using a stage-discharge relation developed for each stream. Daily mean discharge in cubic feet per second is shown for the continuous-record streamflow gages (tables 12 and 13). Selected peak discharges in cubic feet per second and peak-stage elevations in feet above sea level are given for the partial-record streamflow gages (tables 14-17).

Point observations of peak stage elevation in feet above sea level are measured with crest-stage gages. A crest-stage gage is a device that will register the peak stage occurring between inspections of the gage. The date of the peak is not always certain but usually can be determined by comparison with records from nearby continuous- or partial-record stations or rainfall stations. The gaging network has 60 sites with crest-stage gages; 12 of these sites have both upstream and downstream gages. Date of gage inspection and peak-stage elevation are given for each crest-stage gage in the gaging network (table 18).

LOCATION OF GAGES

Detailed location descriptions for each gage in the Murfreesboro gaging network are given in the Appendix. General locations of gages are shown in figure 1. Gages are located by latitude and longitude and are referenced to culverts, bridges, street intersections, and geographic landmarks.

**Table 1. Station number and name, type of gage, and date of installation for gages
in the Murfreesboro gaging network**

Gage number on map	Station number	Station name	Date of installation
Rain gages			
1	03427650	Double Springs Branch at Double Springs	03-27-89
15	03427660	Double Springs Branch overflow at Murfreesboro	03-29-89
31	034277045	Bear Branch at Murfreesboro	03-27-89
34	03427707	Bear Branch near Lascassas	04-26-89
35	354612086224800	County Farm rain gage near Murfreesboro	11-08-90
36	354901086254400	Jackson rain gage near Murfreesboro	09-15-90
37	355100086260601	Armory rain gage at Murfreesboro	09-15-90
38	354648086190100	Ellis rain gage near Dillton	09-15-90
44	03428043	Lytle Creek at Sanbyrn Drive at Murfreesboro	02-17-90
62	03428184	Sinking Creek near Murfreesboro	02-17-90
Continuous-record streamflow gages			
24	03427690	Bushman Creek at Pitts Lane ford near Compton	03-29-89
44	03428043	Lytle Creek at Sanbyrn Drive at Murfreesboro	03-23-90
Partial-record streamflow gages			
1	03427650	Double Springs Branch at Double Springs	03-24-89
31	034277045	Bear Branch at Murfreesboro	03-25-89
34	03427707	Bear Branch near Lascassas	03-25-89
62	03428184	Sinking Creek near Murfreesboro	02-17-90
Crest stage gages			
2	03427651	Double Springs Branch at Murfreesboro	03-30-89
3	03427653	Double Springs Branch near Double Springs	05-05-89
4	03427656	Double Springs Branch near Murfreesboro	05-01-89
5	354942086182300	Mayors sinkhole near Double Springs	05-05-89
6	354941086184100	Mayors cave near Double Springs	05-03-89
7	354939086185300	Heatcraft sinkhole near Double Springs	05-01-89
8	354950086185100	Bogle sinkhole near Double Springs	05-01-89
9	354953086184600	Davenport sinkhole near Double Springs	05-02-89
10	355012086190400	Pitts sinkhole near Double Springs	05-05-89
11	355026086193000	Arnold sinkhole near Double Springs	05-02-89
*12	355059086200100	Smotherman cave near Shiloh	05-03-89
13	355055086211500	Middle Tennessee State University pond at Rutherford Boulevard at Murfreesboro.	08-17-89
14	355114086210000	Bryson sinkhole near Shiloh	05-02-89
*15	03427660	Double Springs Branch overflow at Murfreesboro	03-29-89
16	355133086203800	Arnette sinkhole near Shiloh	03-31-89
17	355137086203300	Price sinkhole near Shiloh	08-18-89
18	355208086201000	Melton sinkhole near Shiloh	05-04-89
*19	03427674	Bushman Creek near Shiloh	05-03-89
20	03427680	Bushman Creek near Compton	11-07-90
*21	03427682	Bushman Creek tributary at Rutherford Boulevard at Murfreesboro	07-11-89
22	03427683	Bushman Creek tributary near Murfreesboro	05-02-89
*23	03427684	Bushman Creek tributary near Compton	03-31-89
24	03427690	Bushman Creek at Pitts Lane ford near Compton	04-26-90
25	03427700	Bushman Creek near Murfreesboro	11-07-90
26	03427701	Bushman Creek at Veterans Hospital near Lascassas	11-07-90
27	355316086221700	Hamilton Green sinkhole at DeJarnett Lane at Murfreesboro	11-01-90
28	355334086222700	Hamilton Green depression near Compton	03-20-90

**Table 1. Station number and name, type of gage, and date of installation for gages
in the Murfreesboro gaging network--Continued**

Gage number on map	Station number	Station name	Date of installation
Crest stage gages--Continued			
29	355349086222600	Dry Branch at Osborne Lane near Murfreesboro	11-06-90
30	03427704	Dry Branch near Walterhill	11-01-90
*32	03427705	Bear Branch near Murfreesboro	03-31-89
*33	03427706	Bear Branch near Compton	03-29-89
39	03428029	Lytle Creek at Dillton	10-29-90
40	03428040	Lytle Creek at U.S. Highway 41 near Mankinville	10-29-90
41	03428041	Lytle Creek at Elam Road at Murfreesboro	10-26-90
42	034280415	Lytle Creek at Rutherford Boulevard near Murfreesboro	10-26-90
43	03428042	Lytle Creek at Saratoga near Murfreesboro	10-30-90
*44	03428043	Lytle Creek at Sanbyrn Drive at Murfreesboro	^b 05-15-90
45	03428044	Lytle Creek at U.S. Highway 231 at Murfreesboro	10-29-90
46	03428045	Lytle Creek at upper CSX railroad bridge at Murfreesboro	10-29-90
47	034280455	Lytle Creek at Old Salem Road at Murfreesboro	10-25-90
48	03428046	Lytle Creek at middle CSX railroad bridge at Murfreesboro	10-30-90
49	034280495	Todds Lake at Kensington Drive at Murfreesboro	02-23-90
50	354955086222500	Todds Lake drainage at South Tennessee Boulevard at Murfreesboro	10-31-90
51	355012086230300	Todds Lake drainage at levee at Murfreesboro	10-31-90
*52	03428050	Lytle Creek at Murfreesboro	10-25-90
53	03428052	Lytle Creek at Northwest Broad Street at Murfreesboro	10-24-90
54	03428054	Lytle Creek at Carnation Street at Murfreesboro	10-24-90
55	03428056	Lytle Creek at Old Fort Parkway at Murfreesboro	10-24-90
56	034281812	Sinking Creek at North Tennessee Boulevard at Murfreesboro	10-31-90
57	034281814	Sinking Creek at East Road at Murfreesboro	10-31-90
58	034281816	Sinking Creek at Greenland Drive at Murfreesboro	10-31-90
59	034281818	Sinking Creek at Highland Avenue at Murfreesboro	10-31-90
*60	034281825	Sinking Creek at East Clark Boulevard at Murfreesboro	11-01-90
*61	03428183	Sinking Creek at U.S. Highway 231 at Murfreesboro	10-31-90
63	034281845	Sinking Creek at Cross Drive at Murfreesboro	10-30-90
64	03428185	Sinking Creek at Northfield Boulevard at Murfreesboro	10-30-90
65	03428186	Sinking Creek at Sulphur Springs Road at Murfreesboro	10-30-90
66	03428187	Sinking Creek at Haynes Drive at Murfreesboro	10-30-90
67	355414086241000	Thompson Lane depression at Seigel Road at Murfreesboro	11-01-90
*68	355443086244100	Thompson Lane depression near Murfreesboro	03-20-90

^a Upstream and downstream gages installed.

^b Downstream gage installed in 1979.

Table 2. Daily rainfall amounts at Double Springs Branch at Double Springs (rain gage number 1 on map) for 1989, 1990, 1991, and 1992

[All values given in inches; ---, no data; e, estimated]

DAY	1989											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	.38	.04	4.19	1.17	.00	1.52	.00	.00
2	---	---	---	.00	.00	1.92	.58	.00	.00	.00	.00	.00
3	---	---	---	.47	.00	.00	.35	.00	.00	.00	.00	.00
4	---	---	---	1.48	.30e	.16	.00	.00	.00	.00	.00	.00
5	---	---	---	.00	.65e	.09	.81	.00	.00	.00	.00	.00
6	---	---	---	.32	.00	.03	.03	.09	.00	.00	.74	.00
7	---	---	---	.14	.00	.00	.27	.00	.00	.00	.25	.21
8	---	---	---	.32	.10e	.91	.00	.00	.00	.00	.99	.22
9	---	---	---	.00	.25e	.00	.00	.00	.55	.00	.00	.00
10	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.14
11	---	---	---	.00	.00	.00	1.20	.00	.00	.00	.00	.10
12	---	---	---	.00	.00	1.56	.00	.00	.00	.00	.00	.00
13	---	---	---	.00	.00	.50	.00	.00	.08	.00	.00	.00
14	---	---	---	.31	.00	.83	.00	.00	.97	.00	.73	.00
15	---	---	---	.11	.00	.91	.00	.20	.84	.00	.53	.03
16	---	---	---	.00	.00	.00	.15	.00	.00	.25	.00	.00
17	---	---	---	.00	.00	.00	.00	.00	.00	1.37	.00	.00
18	---	---	---	.00	.00	.99	.00	.00	.00	.09	.00	.00
19	---	---	---	.00	.00	.97	.26	.00	.00	.00	.00	.13
20	---	---	---	.00	1.50e	.00	.00	.00	.00	.00	.00	.00
21	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	.00	.15e	.00	.36	.07	2.67	.00	.69	.00
23	---	---	---	.00	.00	.00	.00	.04	.20	.05	.00	.00
24	---	---	---	.00	.00	.00	.00	.24	.00	.00	.00	.00
25	---	---	---	.00	.00	.00	.00	.00	.45	.00	.00	.00
26	---	---	---	.00	.95e	.00	.00	.68	.00	.00	.00	.00
27	---	---	.00	.00	1.60e	.18	.00	.00	.00	.00	.03	.00
28	---	---	.00	.00	.00	.09	.00	.00	.04	.00	.00	.00
29	---	---	.14	.00	.00	.00	.00	.00	.46	.00	.00	.05
30	---	---	.39	.32	.00	.10	.13	.11	2.08	.00	.00	1.04
31	---	---	.22	---	.00	---	.08	.00	---	.08	---	.75
TOTAL	---	---	---	3.47	5.88	9.28	8.41	2.60	8.34	3.36	3.96	2.67

Table 2. Daily rainfall amounts at Double Springs Branch at Double Springs (rain gage number 1 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.14	.00	.07	.00	.18	.00	.00	.00	.00	.00
2	.00	.21	.43	.04	.00	.00	.00	.00	.00	.00	.00	.74
3	.00	4.92	.00	.00	.00	.47	.00	.00	.00	.00	.00	1.50e
4	.57	.00	.00	.00	.75	.00	.00	.28	.00	1.19	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.32	.00	.00	.25	.00
6	.00	.00	.00	.56	.00	.00	.00	.00	.00	.00	.00	.00
7	.04	.07	.00	.00	.00	.00	.00	.00	.84	.21	.00	.00
8	.15	.00	.42	.00	.00	.00	.00	.00	.00	.06	.00	.00
9	.00	.85	.41	.00	.21	.00	.00	.00	.00	.00	2.13	.00
10	.00	.46	.00	.17	.12	.00	.00	.00	.05	.06	.16	.00
11	.00	.00	.00	.00	.00	.00	1.36	.00	.08	.00	.00	.00
12	.00	.00	.00	.00	.19	.00	1.57	.00	.44	.14	.00	.00
13	.00	.00	.00	.00	.00	.00	.24	.00	.05	.00	.00	.45e
14	.00	.00	.00	.07	.00	.03	.00	.00	.07	.00	.00	.05e
15	.00	.70	.76	.00	.00	.00	.00	.00	.00	.00	.00	.25e
16	.00	.08	.80	.00	.00	.00	.00	.00	.00	.00	.07	.00
17	.53	.00	.00	.44	.79	.00	.00	.00	.00	.15	.00	.40e
18	.04	.03	.00	.00	.00	.38	.04	.00	.00	.19	.00	.90e
19	.03	.00	.03	.00	.33	.00	.00	.00	.00	.00	.00	.00
20	.71	.00	.00	.00	.57	.05	.00	.00	.00	.00	.00	2.34
21	.00	.00	.00	.54	.25	.10	1.51	.04	1.57	.00	.00	1.49
22	.00	.00	.00	.00	.00	.29	.47	.00	.07	1.13	.26	2.27
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10
24	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.12	.00	.00
26	.00	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	1.12
28	.09	.00	.00	.28	.00	.00	.00	.00	.00	.00	.91	.00
29	1.19	---	.04	.00	.00	.00	.00	.33	.00	.00	.00	.19
30	.00	---	.18	.00	.00	.16	.02	.00	.00	.00	.00	1.18
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	3.35	7.32	3.24	2.10	3.44	1.48	5.39	0.97	3.17	3.25	3.78	12.98

Table 2. Daily rainfall amounts at Double Springs Branch at Double Springs (rain gage number 1 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.53	.00	.00	.00	.00	.00	.00	.00	.04	1.81
2	.00	.00	.00	.00	.02	.00	.94	.00	.00	.00	.00	2.95
3	.00	.00	.70	.00	.03	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.03	1.08	1.73	.75	.34	.00	.00	.00	.00
5	.00	.27	.00	.12	.65	.00	.00	.00	.00	.56	.00	.00
6	.56	.04	.04	.00	.20	.00	.00	.92	.00	.00	.00	.00
7	.47	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.10	.93	.00	.05	.00	1.04	.00	.00	.00
9	.00	.00	.00	.29	.00	.00	.19	.98	.11	.00	.00	1.61
10	1.22	.00	.00	.00	.00	.00	1.34	.09	.05	.16	.00	.00
11	.19	.00	.00	.00	.15	.00	.17	.00	.56	.00	.00	.00
12	.00	.00	.20	.54	.68	.05	.00	.00	.00	.00	.00	.00
13	.00	1.27	.00	.08	.00	.33	.00	.00	.00	.00	.00	1.56
14	.00	.00	.00	1.27	.00	.00	.00	.00	.00	.13	.00	.00
15	.12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	1.88	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	2.21	.00	.14	.03	.00	.00	.00	.00	.00	.00	.00
19	.11	2.00	.00	.15	.60	.00	.00	.00	.00	.00	.00	.00
20	.07	.02	.00	.00	.00	.00	.00	.00	.00	.00	.86	.00
21	.00	.00	.00	.00	.00	.09	.00	.00	.00	.00	.48	.06
22	.00	.00	2.19	.00	.00	.12	.00	.00	.00	.00	.63	.03
23	.00	.05	.00	.00	.00	.00	.00	.00	.00	1.33	.00	.19
24	.00	.00	.00	.00	.00	.00	.07	.00	1.51	.00	.00	.00
25	.00	.09	.00	.00	.00	.00	.00	.03	.55	.00	.00	.00
26	.00	.00	.00	.00	.53	.00	.00	.23	.00	.00	.00	.00
27	.04	.00	.47	.05	.00	.00	.00	.00	.00	.00	.00	.30e
28	.00	.00	.82	.88	.00	.26	.00	.00	.00	.00	.00	.90e
29	.00	---	1.49	.97	.00	.00	.00	.10	.00	.00	.00	.00
30	.14	---	.00	.00	.00	.00	.00	.04	.00	.00	2.27	.00
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	2.92	7.83	6.84	4.62	4.90	2.58	3.51	2.71	3.82	2.18	4.28	9.41

Table 2. Daily rainfall amounts at Double Springs Branch at Double Springs (rain gage number 1 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.00	.00	.00	.53	---	---	---	---	---
2	1.90e	.00	.00	.00	.00	.00	.69	---	---	---	---	---
3	.50e	.00	.00	.00	.09	2.00	1.11	---	---	---	---	---
4	.00	.00	.02	.00	.00	.52	.00	---	---	---	---	---
5	.00	.00	.00	.00	.00	.00	.43	---	---	---	---	---
6	.00	.00	.04	.15	.00	.00	.00	---	---	---	---	---
7	.00	.00	.00	.04	.00	.04	.00	---	---	---	---	---
8	.17	.00	.00	.00	.25	.04	.00	---	---	---	---	---
9	.11	.00	1.20	.00	.00	.05	.00	---	---	---	---	---
10	.00	.00	.80	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
12	.00	.07	.06	.00	1.26	.45	.00	---	---	---	---	---
13	.15	.16	.00	.00	.00	.00	.00	---	---	---	---	---
14	.00	.13	.00	.00	.00	.00	.00	---	---	---	---	---
15	.00	.22	.00	.00	.00	.11	.77	---	---	---	---	---
16	.00	.00	.00	.00	.00	.00	.28	---	---	---	---	---
17	.00	.02	.00	.00	.00	.00	.00	---	---	---	---	---
18	.00	.05	.68	.00	.00	1.56	.00	---	---	---	---	---
19	.00	.00	.17	.03	.21	.00	.00	---	---	---	---	---
20	.00	.00	.00	.50	.29	.03	.00	---	---	---	---	---
21	.00	.00	.00	.44	.00	.00	.51	---	---	---	---	---
22	.00	.00	.44	.00	.00	.00	.07	---	---	---	---	---
23	.13	1.94	.00	.00	.00	.00	.00	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	.99	.36	.00	.00	.05	.12	---	---	---	---	---
26	.00	.39	.00	.00	.05	1.87	.00	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.19	---	---	---	---	---
28	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
29	.00	.00	.22	.00	.48	.00	.00	---	---	---	---	---
30	.00	---	.08	.00	.08	.15	.00	---	---	---	---	---
31	.00	---	.00	---	.00	---	.00	---	---	---	---	---
TOTAL	2.96	3.97	4.07	1.16	2.71	6.87	4.70	---	---	---	---	---

Table 3. Daily rainfall amounts at Double Springs Branch overflow at Murfreesboro (rain gage number 15 on map) for 1989, 1990, 1991, and 1992

[All values given in inches; ---, no data; e, estimated]

DAY	1989											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	.40	.13	3.50e	1.50e	.15	1.83	.00	.00
2	---	---	---	.00	.00	1.41	.30e	.00	.00	.00	.00	.00
3	---	---	---	.45	.00	.00	.35e	.00	.00	.00	.00	.00
4	---	---	---	1.23	.29	.04	.00	.00	.00	.00	.00	.00
5	---	---	---	.02	.62	.08	.50e	.00	.00	.00	.00	.00
6	---	---	---	.28	.00	.04	.00	.10e	.03	.00	.65e	.00
7	---	---	---	.14	.00	.00	.25e	.00	.00	.00	.20e	.23
8	---	---	---	.33	.10	.92	.00	.00	.00	.00	.85e	.32
9	---	---	---	.00	.24	.00	.00	.00	.30	.00	.00	.00
10	---	---	---	.00	.00	.00	.00	.00	.04	.00	.00	.00
11	---	---	---	.00	.00	.00	1.50e	.00	.00	.00	.00	.05
12	---	---	---	.00	.00	1.35	.00	.00	.00	.00	.00	.00
13	---	---	---	.00	.00	.43	.00	.00	.07	.00	.00	.00
14	---	---	---	.27	.00	1.10	.00	.00	.43	.00	.80e	.00
15	---	---	---	.13	.00	.93	.00	.15e	1.69	.00	.50e	.02
16	---	---	---	.00	.00	.00	.15e	.00	.00	.25e	.00	.00
17	---	---	---	.00	.00	.00	.00	.00	.00	1.25e	.00	.00
18	---	---	---	.00	.00	1.02	.00	.00	.00	.10e	.00	.00
19	---	---	---	.00	.00	.91	.20e	.00	.00	.00	.00	.00
20	---	---	---	.00	1.67	.04	.00	.00	.00	.00	.00	.00
21	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	.00	.15	.00	.20e	.05e	3.00	.00	.69	.00
23	---	---	---	.00	.00	.00	.05e	.25e	.24	.00	.00	.00
24	---	---	---	.00	.00	.00	.00	.50e	.00	.00	.00	.00
25	---	---	---	.00	.00	.00	.00	.00	.43	.00	.00	.00
26	---	---	---	.00	.90	.00	.00	.50e	.00	.00	.00	.00
27	---	---	---	.00	1.46	.36	.00	.00	.00	.00	.04	.00
28	---	---	---	.00	.00	.11	.00	.00	.05	.00	.00	.00
29	---	---	.12	.00	.00	.00	.00	.00	.40	.00	.00	.06
30	---	---	.51	.30	.00	.35	.25e	.10	2.06	.00	.00	.99
31	---	---	.22	---	.00	---	.05e	.00	---	.10e	---	.77
TOTAL	---	---	---	3.15	5.83	9.22	7.30	3.15	8.89	3.53	3.73	2.44

Table 3. Daily rainfall amounts at Double Springs Branch overflow at Murfreesboro (rain gage number 15 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.14	.00	.05	.00	.17	.00	.00	.00	.00	.00
2	.00	.17	.46	.01	.06	.00	.00	.00	.00	.00	.00	.85
3	.00	4.93	.00	.00	.00	.82	.00	.00	.00	.00	.00	1.44
4	.65	.03	.00	.00	.50	.00	.00	.18	.00	1.15e	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.29	.00	.00	.30	.00
6	.00	.00	.00	.59	.00	.00	.00	.00	.00	.00	.00	.00
7	.05e	.08	.00	.00	.00	.00	.00	.00	1.29	.15e	.00	.00
8	.15e	.00	.40	.00	.00	.00	.00	.00	.24	.05e	.00	.00
9	.00	.86	.30	.00	.23	.00	.00	.00	.00	.00	2.14	.00
10	.00	.48	.00	.12	.16	.00	.00	.00	.04	.05e	.06	.00
11	.00	.00	.00	.00	.00	.00	1.46	.00	.15e	.00	.00	.00
12	.00	.00	.00	.00	.20	.00	1.49	.00	.40e	.15e	.00	.00
13	.00	.00	.00	.00	.00	.00	.23	.00	.05e	.00	.00	.39
14	.00	.00	.00	.08	.00	.04	.00	.00	.15e	.00	.00	.03
15	.00	.59	.79	.00	.00	.00	.00	.00	.00	.00	.00	.16
16	.00	.10	.86	.00	.00	.00	.00	.00	.00	.00	.10	.00
17	.45e	.00	.00	.55	.65	.00	.00	.00	.00	.15e	.00	.41
18	.05e	.03	.00	.00	.00	.42	.06	.00	.00	.15e	.00	.86
19	.05e	.00	.08	.00	.32	.00	.00	.00	.00	.00	.00	.00
20	.65e	.00	.00	.00	.58	.04	.00	.00	.00	.00	.00	2.04
21	.00	.00	.00	.42	.41	.03	1.30	.11	1.00e	.00	.00	1.33
22	.00	.03	.00	.00	.00	.40	.38	.00	.05e	.60e	.25	2.18
23	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.09
24	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10e	.00	.05
26	.00	.00	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.95
28	.10e	.00	.00	.32	.00	.00	.00	.00	.00	.00	.95	.03
29	.60e	---	.07	.00	.00	.00	.00	.42	.00	.00	.00	.25
30	.00	---	.18	.00	.00	.13	.06	.00	.00	.00	.00	1.12
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	2.75	7.30	3.31	2.09	3.25	1.88	5.17	1.00	3.37	2.55	3.80	12.18

Table 3. Daily rainfall amounts at Double Springs Branch overflow at Murfreesboro
(rain gage number 15 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.57	.00	.00	.00	.00	.00	.00	.00	.04	1.75e
2	.00	.00	.00	.00	.00	.00	.64	.00	.00	.00	.00	2.40e
3	.00	.00	.88	.00	.03	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.03	.75	1.17	.89	.00	.00	.00	.00	.00
5	.00	.26	.00	.07	.48	.00	.00	.00	.00	.39	.00	.00
6	.51	.03	.20	.00	.08	.00	.00	.00	.00	.00	.00	.
7	.50	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.02	.00	.00	.10	.91	.00	.19	.00	1.13	.00	.00	.00
9	.00	.00	.00	.21	.00	.00	.20	.80	.15	.00	.00	1.34
10	1.11	.00	.00	.00	.00	.00	1.18	.10	.00	.23	.00	.00
11	.11	.00	.00	.00	.10	.04	.24	.00	.49	.00	.00	.00
12	.03	.00	.28	.58	.48	.04	.00	.00	.00	.00	.00	.00
13	.00	1.00	.00	.09	.00	.42	.00	.00	.00	.00	.00	1.43
14	.00	.00	.00	1.47	.00	.00	.00	.00	.00	.17	.00	.00
15	.13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.00	1.62	.44	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	1.96	.00	.13	.00	.00	.07	.00	.00	.00	.00	.00
19	.11	2.00	.00	.09	.73	.00	.00	.05	.00	.00	.00	.00
20	.08	.03	.00	.00	.00	.00	.00	.00	.00	.00	.76	.00
21	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.42	.09
22	.00	.00	1.90	.00	.00	.25	.00	.00	.00	.00	.61	.05
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.21	.00	.35
24	.00	.00	.00	.00	.00	.00	.07	.00	1.69	.00	.00	.00
25	.00	.09	.00	.00	.00	.00	.00	.07	.55e	.00	.00	.00
26	.00	.00	.00	.00	.57	.00	.00	.86	.00	.00	.00	.00
27	.05	.00	.51	.10	.06	.00	.00	.00	.00	.00	.00	.23
28	.00	.00	.80	.76	.00	.07	.00	.00	.00	.00	.00	.66
29	.00	---	1.35	1.05	.00	.00	.00	.04	.00	.00	.00	.00
30	.16	---	.00	.00	.00	.00	.00	.32	.00	.00	2.40e	.00
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	2.81	6.99	6.93	4.68	4.19	2.05	3.48	2.24	4.01	2.00	4.23	8.30

Table 3. Daily rainfall amounts at Double Springs Branch overflow at Murfreesboro (rain gage number 15 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.03	.00	.00	.48	---	---	---	---	---
2	1.58	.00	.00	.00	.00	.00	1.30	---	---	---	---	---
3	.47	.00	.00	.00	.07	1.85	1.25	---	---	---	---	---
4	.00	.00	.00	.00	.00	.80	.00	---	---	---	---	---
5	.00	.00	.00	.00	.00	.00	.32	---	---	---	---	---
6	.00	.00	.06	.10	.00	.00	.00	---	---	---	---	---
7	.00	.00	.00	.04	.00	.05	.00	---	---	---	---	---
8	.23	.00	.00	.00	.26	.00	.00	---	---	---	---	---
9	.14	.00	1.08	.00	.00	.00	.00	---	---	---	---	---
10	.00	.00	.76	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
12	.16	.07	.06	.00	1.41	.31	.00	---	---	---	---	---
13	.41	.17	.00	.00	.00	.00	.00	---	---	---	---	---
14	.04	.12	.00	.00	.00	.00	.06	---	---	---	---	---
15	.00	.23	.00	.04	.00	.04	.95	---	---	---	---	---
16	.00	.00	.00	.00	.00	.00	.26	---	---	---	---	---
17	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
18	.00	.05	.66	.00	.00	2.43	.00	---	---	---	---	---
19	.00	.00	.21	.04	.40e	.00	.00	---	---	---	---	---
20	.00	.00	.00	.57	.30e	.08	.00	---	---	---	---	---
21	.00	.00	.00	.51	.00	.00	.85	---	---	---	---	---
22	.03	.00	.42	.00	.00	.00	.06	---	---	---	---	---
23	.40	1.45	.00	.00	.00	.00	.00	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	.99	.36	.00	.00	.04	.17	---	---	---	---	---
26	.00	.35	.00	.00	.00	1.09	.00	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.36	---	---	---	---	---
28	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
29	.00	.00	.22	.00	.70e	.00	.00	---	---	---	---	---
30	.00	---	.10	.00	.10e	.10	.03	---	---	---	---	---
31	.00	---	.00	---	.00	---	.00	---	---	---	---	---
TOTAL	3.46	3.43	3.93	1.33	3.24	6.79	6.09	---	---	---	---	---

Table 4. Daily rainfall amounts at Bear Branch at Murfreesboro (rain gage number 31 on map) for 1989, 1990, 1991, and 1992

[All values given in inches; ---, no data; e, estimated]

DAY	1989											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	.00	.40	.72	2.31	1.24	.07	2.13	.00	.00
2	---	---	---	.00	.00	1.61	.18	.00	.00	.00	.00	.00
3	---	---	---	.56	.00	.01	.37	.08	.00	.00	.00	.00
4	---	---	---	1.20	.27	.16	.00	.00	.00	.00	.00	.00
5	---	---	---	.03	.63	.13	.08	.00	.00	.00	.00	.00
6	---	---	---	.26	.00	.04	.01	.09	.00	.00	.54	.00
7	---	---	---	.13	.00	.00	.20	.00	.00	.00	.10	.21
8	---	---	---	.29	.09	.77	.00	.00	.00	.00	.68	.21
9	---	---	---	.00	.23	.00	.00	.00	.27	.00	.00	.00
10	---	---	---	.00	.00	.00	.00	.00	.37	.00	.00	.07
11	---	---	---	.00	.00	.00	1.72	.00	.00	.00	.00	.11
12	---	---	---	.00	.00	1.45	.00	.00	.00	.00	.00	.00
13	---	---	---	.00	.00	.36	.00	.00	.13	.00	.00	.00
14	---	---	---	.23	.01	.93	.00	.00	.13	.00	.86	.00
15	---	---	---	.12	.00	.69	.00	.05	2.20	.00	.43	.00
16	---	---	---	.00	.00	.00	.11	.00	.01	.25	.01	.00
17	---	---	---	.00	.00	.00	.00	.01	.00	1.14	.00	.00
18	---	---	---	.00	.00	.94	.00	.01	.00	.11	.00	.01
19	---	---	---	.00	.01	1.09	.17	.00	.00	.01	.00	.00
20	---	---	---	.00	1.99	.20	.00	.00	.00	.00	.00	.00
21	---	---	---	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	---	---	---	.00	.34	.00	.10	.01	2.38	.00	.69	.00
23	---	---	---	.00	.00	.00	.09	.46	.25	.01	.00	.00
24	---	---	---	.00	.00	.00	.00	.77	.00	.00	.00	.00
25	---	---	---	.00	.00	.00	.00	.00	.40	.00	.00	.00
26	---	---	---	.00	.85	.00	.00	.36	.00	.00	.00	.00
27	---	---	.00	.00	1.06	.15	.00	.00	.00	.00	.03	.00
28	---	---	.00	.00	.00	.07	.01	.00	.05	.00	.15	.00
29	---	---	.14	.01	.00	.00	.00	.00	.35	.00	.00	.03
30	---	---	.55	.29	.00	.78	.42	.11	2.35	.00	.00	.90
31	---	---	.19	---	.00	---	.00	.00	---	.10	---	.71
TOTAL	---	---	---	3.12	5.88	10.10	5.77	3.19	8.96	3.75	3.49	2.25

Table 4. Daily rainfall amounts at Bear Branch at Murfreesboro (rain gage number 31 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.13	.00	.07	.00	.25	.00	.00	.00	.00	.00
2	.00	.18	.37	.02	.10	.00	.00	.00	.00	.00	.00	.80
3	.01	4.85	.00	.00	.00	1.10	.00	.00	.00	.00	.00	1.66
4	.54	.00	.00	.00	.60	.00	.00	.25	.00	1.14	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.43	.00	.00	.30	.00
6	.00	.01	.00	.52	.01	.00	.00	.00	.00	.00	.00	.00
7	.05	.06	.00	.00	.00	.00	.00	.00	1.31	.10	.00	.00
8	.13	.00	.30	.00	.00	.00	.00	.00	.17	.03	.00	.00
9	.00	.77	.26	.00	.22	.00	.01	.00	.00	.00	2.04	.00
10	.00	.32	.00	.11	.20	.00	.01	.00	.02	.01	.11	.00
11	.00	.00	.00	.00	.00	.00	1.26	.00	.20	.01	.00	.00
12	.00	.00	.00	.00	.18	.00	1.13	.00	.34	.15	.00	.00
13	.00	.00	.00	.00	.00	.00	.04	.00	.04	.00	.00	.31
14	.00	.00	.00	.07	.00	.04	.00	.00	.19	.00	.00	.03
15	.00	.70	.43	.00	.00	.00	.00	.00	.00	.00	.00	.17
16	.00	.06	.72	.00	.00	.00	.00	.00	.00	.00	.11	.01
17	.38	.00	.02	.42	.54	.00	.00	.00	.00	.16	.00	.50
18	.03	.03	.00	.00	.00	.55	.05	.00	.00	.16	.00	.77
19	.03	.00	.05	.00	.34	.00	.00	.00	.00	.00	.00	.00
20	.62	.00	.00	.00	.94	.04	.00	.00	.00	.00	.00	1.70
21	.00	.00	.00	.23	.44	.02	1.88	.25	.91	.00	.00	1.33
22	.00	.04	.00	.00	.00	.16	.66	.01	.02	.50	.25	2.08
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.09
24	.03	.00	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00
25	.01	.00	.04	.00	.00	.00	.00	.00	.00	.10	.00	.03
26	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.20	.00	.00	.00	.00	.00	.00	1.08
28	.10	.00	.00	.33	.00	.00	.00	.00	.00	.00	.69	.01
29	1.06	---	.12	.00	.00	.00	.00	.20	.00	.00	.00	.28
30	.00	---	.26	.00	.00	.11	.00	.00	.00	.00	.00	.93
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	2.99	7.02	2.70	1.70	3.89	2.02	5.29	1.14	3.20	2.37	3.51	11.78

Table 4. Daily rainfall amounts at Bear Branch at Murfreesboro (rain gage number 31 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.54	.00	.00	.00	.00	.00	.00	.00	.08	1.51
2	.00	.00	.10	.00	.02	.00	.70	.00	.00	.00	.00	2.24
3	.00	.00	.83	.00	.02	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.03	.60	1.15	.85	.15	.00	.00	.00	.00
5	.00	.25	.00	.05	.39	.00	.00	.00	.00	.54	.00	.00
6	.41	.04	.14	.00	.01	.00	.00	.00	.01	.00	.00	.00
7	.40	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.07	.74	.00	.57	.00	1.54	.01	.00	.00
9	.00	.00	.00	.11	.01	.00	.15	.72	.16	.00	.00	1.36
10	1.20e	.00	.00	.00	.02	.00	1.29	.08	.03	.15	.00	.00
11	.15e	.00	.00	.00	.00	.07	.28	.00	.49	.00	.00	.00
12	.00	.00	.28	.48	.53	.01	.02	.00	.00	.00	.00	.00
13	.00	.78	.00	.04	.00	.12	.00	.00	.00	.00	.00	1.39
14	.00	.00	.00	1.41	.00	.00	.00	.00	.00	.15	.00	.00
15	.20e	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.09	.00	.00	.00	.00	.00	.00	.00
17	.00	1.39	.44	.00	.00	.00	.00	.08	.00	.00	.00	.00
18	.00	1.74	.00	.16	.00	.01	.01	.01	.00	.00	.00	.00
19	.10e	1.54	.00	.07	.15	.00	.00	.03	.00	.00	.00	.00
20	.10e	.03	.00	.00	.01	.00	.00	.00	.00	.00	.94	.00
21	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00	.37	.05
22	.00	.00	1.86	.00	.00	.27	.01	.00	.00	.00	.61	.02
23	.00	.00	.00	.00	.02	.00	.00	.00	.00	.97	.00	.29
24	.00	.00	.00	.00	.00	.00	.05	.00	1.49	.01	.00	.00
25	.00	.08	.00	.00	.00	.01	.02	.07	.57	.00	.00	.00
26	.00	.00	.00	.00	.82	.00	.00	.61	.00	.00	.00	.00
27	.05e	.00	.39	.09	.01	.00	.00	.00	.00	.00	.00	.05
28	.00	.00	.71	.71	.00	.00	.00	.00	.00	.00	.00	.58
29	.00	---	1.32	1.12	.00	.00	.00	.04	.00	.00	.00	.00
30	.09	---	.00	.00	.00	.00	.00	.29	.00	.00	2.27	.00
31	.00	---	.00	---	.00	---	.00	.01	---	.00	---	.00
TOTAL	2.70	5.85	6.61	4.36	3.44	1.68	3.95	2.09	4.29	1.83	4.27	7.49

Table 4. Daily rainfall amounts at Bear Branch at Murfreesboro (rain gage number 31 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.00	.00	.00	.38	---	---	---	---	---
2	1.60	.00	.00	.00	.00	.00	1.49	---	---	---	---	---
3	.46	.00	.00	.00	.00	1.55	.89	---	---	---	---	---
4	.00	.00	.00	.00	.00	.46	.00	---	---	---	---	---
5	.00	.00	.01	.00	.00	.02	.32	---	---	---	---	---
6	.00	.00	.02	.06	.00	.00	.01	---	---	---	---	---
7	.00	.00	.00	.00	.00	.05	.00	---	---	---	---	---
8	.24	.00	.00	.00	.17	.00	.00	---	---	---	---	---
9	.13	.00	1.12	.01	.00	.00	.00	---	---	---	---	---
10	.00	.00	.75	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.01	.00	---	---	---	---	---
12	.17	.08	.00	.00	1.18	.46	.00	---	---	---	---	---
13	.43	.22	.00	.00	.00	.00	.00	---	---	---	---	---
14	.03	.11	.00	.00	.00	.00	.01	---	---	---	---	---
15	.00	.22	.00	.00	.02	.01	.45	---	---	---	---	---
16	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
17	.00	.01	.12	.00	.00	.00	.03	---	---	---	---	---
18	.00	.06	.50	.00	.54	2.83	.00	---	---	---	---	---
19	.00	.00	.10	.04	.21	.00	.00	---	---	---	---	---
20	.00	.00	.00	.47	.42	.03	.00	---	---	---	---	---
21	.00	.00	.00	.42	.00	.00	.30	---	---	---	---	---
22	.02	.00	.06	.00	.00	.00	.24	---	---	---	---	---
23	.42	1.13	.00	.00	.00	.00	.04	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	.90	.08	.00	.00	.02	.21	---	---	---	---	---
26	.00	.31	.00	.00	.01	.47	.00	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.14	---	---	---	---	---
28	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
29	.00	.00	.16	.00	.74	.00	.00	---	---	---	---	---
30	.00	---	.04	.00	.07	.06	.03	---	---	---	---	---
31	.00	---	.00	---	.00	---	.00	---	---	---	---	---
TOTAL	3.50	3.04	2.96	1.00	3.36	5.97	4.54	---	---	---	---	---

**Table 5. Daily rainfall amounts at Bear Branch near Lascassas (rain gage number 34 on map)
for 1989, 1990, 1991, and 1992**

[All values given in inches; ---, no data; e, estimated]

DAY	1989											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	.37	.52	4.61	.76	.11	1.11	.00	.00
2	---	---	---	---	.00	2.86	.26	.00	.00	.00	.00	.00
3	---	---	---	---	.00	.00	.20	.28	.00	.00	.00	.00
4	---	---	---	---	.32	.91	.00	.00	.00	.00	.00	.00
5	---	---	---	---	.72	.22	1.01	.00	.00	.00	.00	.00
6	---	---	---	---	.00	.02	.00	.10	.00	.00	.51	.00
7	---	---	---	---	.00	.00	.04	.00	.00	.00	.29	.20e
8	---	---	---	---	.10e	.72	.00	.00	.00	.00	.71	.20e
9	---	---	---	---	.10	.00	.00	.00	.03	.00	.00	.00
10	---	---	---	---	.00	.00	.00	.00	.04	.00	.00	.06
11	---	---	---	---	.00	.00	2.24	.00	.01	.00	.00	.06
12	---	---	---	---	.00	1.16	.00	.00	.00	.00	.00	.00
13	---	---	---	---	.00	.32	.00	.00	.06	.00	.00	.00
14	---	---	---	---	.06	.77	.00	.00	.06	.00	.77	.00
15	---	---	---	---	.01	.91	.00	.04	1.99	.00	.38	.00
16	---	---	---	---	.00	.00	.11	.00	.01	.42	.02	.00
17	---	---	---	---	.00	.00	.00	.54	.00	1.37	.00	.00
18	---	---	---	---	.00	.69	.00	.00	.00	.15	.00	.00
19	---	---	---	---	.02	1.21	.32	.00	.00	.01	.00	.05
20	---	---	---	---	2.60	.00	.00	.00	.00	.00	.00	.00
21	---	---	---	---	.00	.00	.02	.00	.00	.00	.00	.00
22	---	---	---	---	.19	.00	.06	.00	2.64	.00	.72	.00
23	---	---	---	---	.00	.00	.00	.29	.12	.00	.00	.00
24	---	---	---	---	.00	.00	.00	.79	.00	.00	.00	.00
25	---	---	---	---	.00	.00	.00	.00	.37	.00	.00	.00
26	---	---	---	.00	.80e	.00	.00	.19	.00	.00	.00	.02
27	---	---	---	.00	1.25	.13	.00	.00	.00	.00	.04	.00
28	---	---	---	.00	.00	.07	.00	.00	.05	.00	.40	.00
29	---	---	---	.00	.00	.00	.00	.00	.36	.00	.00	.00
30	---	---	---	.33	.00	1.55	.27	.17	2.64	.00	.00	.86
31	---	---	---	---	.00	---	1.41	.00	---	.11	---	.50
TOTAL	---	---	---	---	6.54	12.06	10.55	3.16	8.49	3.17	3.84	1.95

Table 5. Daily rainfall amounts at Bear Branch near Lascassas (rain gage number 34 on map)
for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.11	.00	.26	.00	.21	.00	.00	.00	.00	.00
2	.00	.16	.49	.03	.03	.00	.00	.00	.00	.00	.00	.90e
3	.00	5.57	.00	.00	.03	.96	.00	.00	.00	.00	.00	1.60e
4	.39	.02	.00	.00	.82	.00	.00	.15	.00	1.28	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.48	.00	.00	.25e	.00
6	.00	.00	.00	.24	.02	.00	.00	.00	.00	.00	.00	.00
7	.05	.13	.00	.00	.00	.00	.00	.00	.78	.15e	.00	.00
8	.11	.00	.33	.00	.00	.00	.20	.00	.15	.05e	.00	.00
9	.00	1.19	.29	.00	.21	.00	.00	.00	.00	.00	2.10e	.00
10	.00	.44	.00	.13	.27	.00	.00	.00	.00	.01	.05e	.00
11	.00	.00	.00	.00	.00	.00	1.93	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.28	.00	.85	.00	.61	.10e	.00	.00
13	.00	.00	.00	.00	.00	.00	.02	.00	.02	.00	.00	.30e
14	.00	.00	.00	.11	.00	.05	.00	.00	.10	.00	.00	.05e
15	.00	.57	.69	.00	.00	.00	.00	.00	.00	.00	.00	.15e
16	.00	.05	.58	.00	.00	.00	.00	.00	.00	.00	.15	.00
17	.55	.00	.00	.35	.42	.00	.00	.00	.00	.20e	.00	.40e
18	.03	.03	.00	.00	.00	.07	.00	.00	.00	.20e	.00	.70e
19	.02	.00	.06	.00	.35	.00	.00	.00	.00	.00	.00	.00
20	.55e	.00	.00	.00	1.36	.03	.00	.00	.00	.00	.00	1.62
21	.00	.00	.00	.12	.43	.06	2.07	.30	.92	.00	.00	1.39
22	.00	.02	.00	.00	.00	.16	.54	.00	.04	.75e	.22	2.17
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.08
24	.02	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	.01	.00	.00	.00	.00	.00	.00	.00	.00	.10e	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.21	.00	.00	.00	.00	.00	.00	1.12
28	.09	.00	.00	.21	.00	.00	.00	.00	.00	.00	.80e	.00
29	1.14	---	.06	.00	.00	.00	.00	.05	.00	.00	.00	.35
30	.00	---	.28	.00	.00	.11	.00	.00	.00	.00	.00	1.03
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.01
TOTAL	2.96	8.18	2.95	1.19	4.69	1.44	5.82	0.98	2.62	2.83	3.59	11.87

Table 5. Daily rainfall amounts at Bear Branch near Lascassas (rain gage number 34 on map)
for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.55	.00	.00	.00	.00	.00	.00	.00	.07	1.57
2	.00	.00	.02	.00	.00	.00	1.25e	.00	.00	.00	.00	2.58
3	.00	.00	.85	.00	.03	.00	.00	.00	.00	.00	.00	.02
4	.00	.00	.00	.04	.43	.61	.85e	.06	.00	.00	.00	.00
5	.00	.25	.00	.05	.40	.00	.00	.00	.00	.66	.00	.00
6	.42	.07	.17	.00	.00	.00	.00	.00	.04	.00	.00	.00
7	.39	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.32e	.74	.00	.90e	.00	1.36	.00	.00	.00
9	.00	.00	.00	.37e	.00	.00	.15e	.34	.24	.00	.00	1.37
10	1.17	.00	.00	.04e	.00	.00	1.25e	.08	.06	.15	.00	.01
11	.08	.00	.00	.06e	.00	.08	.50e	.00	.48	.00	.00	.00
12	.00	.00	.30	.48e	.49	.00	.00	.00	.00	.00	.00	.00
13	.00	.92	.00	.00	.00	.30	.00	.18	.00	.00	.00	1.23
14	.00	.00	.00	1.34e	.00	.00	.00	.01	.00	.17	.00	.00
15	.21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.03	.00	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00
17	.00	1.51	.56	.00	.00	.00	.00	.07	.00	.00	.00	.00
18	.00	1.75	.00	.29e	.00	.00	.00	.00	.06	.00	.00	.00
19	.09	1.56	.00	.04e	.41	.00	.00	.13	.00	.00	.00	.00
20	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	1.17	.00
21	.00	.00	.01	.00	.00	.05e	.00	.00	.00	.00	.37	.07
22	.00	.00	1.65	.00	.00	.20e	.00	.00	.00	.00	.60	.06
23	.00	.00	.00	.00	.03	.00	.00	.00	.00	1.11	.00	.30
24	.00	.00	.00	.00	.00	.00	.09	.00	1.41	.00	.00	.00
25	.00	.05	.00	.00	.00	.00	.00	.00	.68	.00	.00	.00
26	.00	.00	.00	.00	.94	.00	.00	.30e	.00	.00	.00	.00
27	.04	.00	.29	.03e	.13	.00	.00	.00	.00	.00	.00	.21
28	.00	.00	.75	.85e	.00	.00	.00	.00	.00	.00	.00	.69
29	.00	---	1.16	.78e	.00	.00	.00	.05e	.00	.00	.00	.00
30	.07	---	.00	.00	.00	.00	.00	.25e	.00	.00	2.27	.00
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	2.53	6.11	6.31	4.69	3.66	1.24	4.99	1.47	4.33	2.09	4.48	8.11

Table 5. Daily rainfall amounts at Bear Branch near Lascassas (rain gage number 34 on map) for 1989, 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.02	.00	.00	.60e	---	---	---	---	---
2	1.37	.00	.00	.00	.00	.00	1.10e	---	---	---	---	---
3	.20	.00	.04	.00	.09	1.63	1.00e	---	---	---	---	---
4	.00	.00	.00	.00	.00	.49	.00	---	---	---	---	---
5	.00	.00	.00	.00	.00	.00	.50e	---	---	---	---	---
6	.00	.00	.02	.08	.00	.00	.00	---	---	---	---	---
7	.00	.00	.00	.03	.02	.00	.00	---	---	---	---	---
8	.20	.00	.00	.00	.17	.00	.00	---	---	---	---	---
9	.10	.00	1.18	.01	.00	.00	.00	---	---	---	---	---
10	.00	.00	.84	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
12	.18	.10	.05	.00	1.10	.70e	.00	---	---	---	---	---
13	.61	.18	.00	.00	.00	.00	.00	---	---	---	---	---
14	.03	.14	.00	.00	.00	.00	.09	---	---	---	---	---
15	.00	.29	.00	.00	.00	.00	.45	---	---	---	---	---
16	.00	.00	.00	.01	.00	.00	.00	---	---	---	---	---
17	.00	.00	.11	.00	.00	.00	.04	---	---	---	---	---
18	.00	.08	.63	.00	.05	2.90e	.00	---	---	---	---	---
19	.00	.00	.20	.05	.16	.00	.00	---	---	---	---	---
20	.00	.00	.00	.57	1.10	.00	.00	---	---	---	---	---
21	.00	.00	.00	.32	.00	.00	.00	---	---	---	---	---
22	.00	.00	.33	.00	.00	.00	.33	---	---	---	---	---
23	.51	1.15	.01	.00	.00	.00	.03	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.06	---	---	---	---	---
25	.00	.93	.30	.00	.00	.00	.13	---	---	---	---	---
26	.00	.27	.02	.00	.01	.90e	.00	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.15	---	---	---	---	---
28	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
29	.00	.00	.11	.00	.71	.00	.00	---	---	---	---	---
30	.00	---	.02	.00	.04	.00	.05	---	---	---	---	---
31	.00	---	.00	---	.00	---	.00	---	---	---	---	---
TOTAL	3.20	3.14	3.86	1.09	3.45	6.62	4.53	---	---	---	---	---

Table 6. Daily rainfall amounts at County Farm rain gage near Murfreesboro (rain gage number 35 on map) for 1990, 1991, and 1992

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	---	---	---	---	.00
2	---	---	---	---	---	---	---	---	---	---	---	.75e
3	---	---	---	---	---	---	---	---	---	---	---	1.60e
4	---	---	---	---	---	---	---	---	---	---	---	.00
5	---	---	---	---	---	---	---	---	---	---	---	.00
6	---	---	---	---	---	---	---	---	---	---	---	.03
7	---	---	---	---	---	---	---	---	---	---	---	.00
8	---	---	---	---	---	---	---	---	---	---	.00	.00
9	---	---	---	---	---	---	---	---	---	---	2.55	.00
10	---	---	---	---	---	---	---	---	---	---	.05	.00
11	---	---	---	---	---	---	---	---	---	---	.00	.00
12	---	---	---	---	---	---	---	---	---	---	.00	.00
13	---	---	---	---	---	---	---	---	---	---	.00	.49
14	---	---	---	---	---	---	---	---	---	---	.00	.03
15	---	---	---	---	---	---	---	---	---	---	.00	.25
16	---	---	---	---	---	---	---	---	---	---	.17	.00
17	---	---	---	---	---	---	---	---	---	---	.00	.44
18	---	---	---	---	---	---	---	---	---	---	.00	.82
19	---	---	---	---	---	---	---	---	---	---	.00	.00
20	---	---	---	---	---	---	---	---	---	---	.00	2.60
21	---	---	---	---	---	---	---	---	---	---	.00	1.32
22	---	---	---	---	---	---	---	---	---	---	.21	2.38
23	---	---	---	---	---	---	---	---	---	---	.02	.22
24	---	---	---	---	---	---	---	---	---	---	.00	.00
25	---	---	---	---	---	---	---	---	---	---	.00	.06
26	---	---	---	---	---	---	---	---	---	---	.00	.00
27	---	---	---	---	---	---	---	---	---	---	.00	1.36
28	---	---	---	---	---	---	---	---	---	---	1.10e	.06
29	---	---	---	---	---	---	---	---	---	---	.00	.18
30	---	---	---	---	---	---	---	---	---	---	.00	1.04
31	---	---	---	---	---	---	---	---	---	---	---	.00
TOTAL	---	---	---	---	---	---	---	---	---	---	---	13.63

Table 6. Daily rainfall amounts at County Farm rain gage near Murfreesboro (rain gage number 35 on map) for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.80	.00	.00	.22	.00	.00	.00	.00	.10e	1.90e
2	.00	.00	.00	.00	.00	.00	1.36	.00	.00	.00	.00	2.60e
3	.00	.00	1.01	.00	.04	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.09	.78	1.50	.17	.00	.00	.00	.00	.00
5	.00	.33	.00	.07	.66	.00	.03	.00	.00	.50e	.00	.00
6	.50e	.06	.00	.00	.07	.00	.00	.00	.00	.00	.00	.00
7	.55e	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.15	1.02	.00	.18	.00	.01	.00	.00	.00
9	.00	.00	.00	.20	.01	.00	.33	1.00e	.14	.00	.00	1.61
10	1.25e	.00	.00	.00	.00	.00	.86	.10e	.01	.20e	.00	.00
11	.15e	.00	.00	.00	.00	.00	.36	.00	.03	.00	.00	.00
12	.00	.00	.32	.67	.83	.19	.13	.00	.00	.00	.00	.00
13	.00	1.50	.00	.09	.00	.10	.00	.00	.00	.00	.00	1.34
14	.00	.00	.00	1.68	.00	.00	.00	.00	.00	.15e	.00	.00
15	.15	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00
17	.00	2.86	.63	.00	.12	.00	.00	.00	.03	.00	.00	.00
18	.00	2.82	.01	.16	.08	.00	.07	.07	.00	.00	.00	.00
19	.12	2.19	.00	.18	.74	.00	.00	.02	.01	.00	.00	.00
20	.06	.04	.00	.00	.01	.03	.00	.00	.00	.00	1.00e	.00
21	.00	.00	.00	.00	.00	.21	.00	.00	.00	.00	.50e	.10
22	.00	.00	2.50e	.00	.00	.12	.01	.00	.00	.00	.75e	.04
23	.00	.03	.00	.00	.03	.00	.00	.00	.00	1.75e	.00	.46
24	.00	.00	.00	.00	.00	.00	.12	.00	2.00e	.00	.00	.00
25	.00	.11	.00	.00	.00	.03	.05	.00	.75e	.00	.00	.00
26	.00	.00	.00	.00	.62	.00	.02	.50e	.00	.00	.00	.00
27	.10	.00	.50e	.07	.24	.00	.00	.00	.00	.00	.00	.29
28	.00	.00	1.00e	.93	.01	.16	.00	.00	.00	.00	.00	.80
29	.00	---	1.75e	1.04	.00	.00	.00	.10e	.00	.00	.00	.00
30	.22	---	.00	.00	.00	.00	.00	.15e	.00	.00	2.50e	.00
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	3.10	9.94	8.52	5.35	5.26	2.58	3.69	1.94	2.98	2.60	4.85	9.14

Table 6. Daily rainfall amounts at County Farm rain gage near Murfreesboro (rain gage number 35 on map) for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.00	.00	.00	.50e	---	---	---	---	---
2	1.71	.00	.00	.00	.00	.00	.90e	---	---	---	---	---
3	.49	.00	.01	.00	.08	1.61	1.00e	---	---	---	---	---
4	.00	.00	.00	.00	.00	.86	.00	---	---	---	---	---
5	.00	.00	.00	.00	.02	.00	.60e	---	---	---	---	---
6	.00	.00	.13	.21	.00	.00	.05	---	---	---	---	---
7	.04	.00	.00	.08	.00	.08	.00	---	---	---	---	---
8	.31	.00	.00	.00	.25	.04	.00	---	---	---	---	---
9	.25	.00	1.24	.02	.00	.00	.00	---	---	---	---	---
10	.00	.00	.77	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
12	.19	.10	.03	.00	1.35	1.72	.00	---	---	---	---	---
13	.16	.20	.00	.00	.00	.19	.00	---	---	---	---	---
14	.02	.21	.00	.00	.00	.00	.71	---	---	---	---	---
15	.00	.26	.00	.00	.00	.03	.21	---	---	---	---	---
16	.00	.00	.00	.00	.00	.00	.15	---	---	---	---	---
17	.00	.02	.04	.00	.00	.00	.76	---	---	---	---	---
18	.00	.10	.64	.00	.00	1.09	.00	---	---	---	---	---
19	.00	.00	.22	.04	.90e	.00	.00	---	---	---	---	---
20	.00	.00	.00	.63	.00	.10	.00	---	---	---	---	---
21	.00	.00	.00	.49	.10e	.00	.19	---	---	---	---	---
22	.02	.00	.51	.00	.00	.00	.23	---	---	---	---	---
23	.47	1.73	.00	.00	.00	.00	.40e	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	.99	.36	.00	.00	.03	.10e	---	---	---	---	---
26	.00	.30	.05	.00	.00	1.70e	.00	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.15e	---	---	---	---	---
28	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
29	.00	.00	.16	.00	.50e	.00	.00	---	---	---	---	---
30	.00	---	.25	.00	.10e	.10e	.05e	---	---	---	---	---
31	.00	---	.01	---	.00	---	.00	---	---	---	---	---
TOTAL	3.66	3.91	4.42	1.47	3.30	7.55	6.00	---	---	---	---	---

Table 7. Daily rainfall amounts at Jackson rain gage near Murfreesboro (rain gage number 36 on map) for 1990, 1991, and 1992

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	---	---	.00	.00	.00
2	---	---	---	---	---	---	---	---	---	.00	.00	.90e
3	---	---	---	---	---	---	---	---	---	.00	.00	1.75e
4	---	---	---	---	---	---	---	---	---	1.47	.00	.00
5	---	---	---	---	---	---	---	---	---	.00	.35	.00
6	---	---	---	---	---	---	---	---	---	.00	.00	.00
7	---	---	---	---	---	---	---	---	---	.18	.00	.00
8	---	---	---	---	---	---	---	---	---	.03	.00	.00
9	---	---	---	---	---	---	---	---	---	.00	2.40e	.00
10	---	---	---	---	---	---	---	---	---	.02	.10e	.00
11	---	---	---	---	---	---	---	---	---	.00	.00	.00
12	---	---	---	---	---	---	---	---	---	.22	.00	.00
13	---	---	---	---	---	---	---	---	---	.00	.00	.45e
14	---	---	---	---	---	---	---	---	---	.00	.00	.05e
15	---	---	---	---	---	---	---	---	.01	.00	.00	.20e
16	---	---	---	---	---	---	---	---	.00	.00	.10	.00
17	---	---	---	---	---	---	---	---	.00	.23	.00	.50e
18	---	---	---	---	---	---	---	---	.00	.25	.00	.90e
19	---	---	---	---	---	---	---	---	.00	.00	.00	.00
20	---	---	---	---	---	---	---	---	.00	.00	.00	2.21
21	---	---	---	---	---	---	---	---	1.42	.00	.00	1.63
22	---	---	---	---	---	---	---	---	.04	1.00e	.29	2.42
23	---	---	---	---	---	---	---	---	.00	.00	.06	.08
24	---	---	---	---	---	---	---	---	.00	.00	.00	.00
25	---	---	---	---	---	---	---	---	.00	.10e	.00	.11
26	---	---	---	---	---	---	---	---	.00	.00	.01	.00
27	---	---	---	---	---	---	---	---	.00	.00	.00	1.32
28	---	---	---	---	---	---	---	---	.00	.00	1.10e	.02
29	---	---	---	---	---	---	---	---	.00	.00	.00	.32
30	---	---	---	---	---	---	---	---	.00	.00	.00	1.17
31	---	---	---	---	---	---	---	---	---	.00	---	.00
TOTAL	---	---	---	---	---	---	---	---	---	3.50	4.41	14.03

Table 7. Daily rainfall amounts at Jackson rain gage near Murfreesboro (rain gage number 36 on map) for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.73	.00	.00	.00	.00	.00	.00	.00	.13	1.88
2	.00	.00	.00	.00	.00	.00	2.06	.00	.00	.00	.00	2.54
3	.00	.00	.90	.00	.02	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.04	1.02	1.07	1.07	.02	.00	.00	.00	.00
5	.00	.35	.00	.14	.52	.00	.00	.00	.00	.50e	.00	.00
6	.55	.06	.00	.00	.08	.00	.00	.00	.15	.00	.00	.00
7	.56	.00	.00	.00	.00	.00	.00	.59	.00	.00	.00	.00
8	.03	.00	.00	.18	1.17	.00	1.38	.00	.96	.00	.00	.00
9	.03	.00	.00	.30	.16	.00	.52	1.49	.53	.00	.00	1.65
10	1.41	.00	.00	.00	.00	.00	1.57	.11	.00	.20e	.00	.01
11	.19	.00	.00	.00	.00	.03	.20	.00	.00	.00	.00	.00
12	.02	.00	.35	.67	1.02	.11	.03	.00	.00	.00	.01	.00
13	.00	1.46	.00	.08	.00	.51	.01	.00	.00	.00	.00	1.67
14	.00	.00	.00	1.49	.00	.00	.00	.00	.00	.20e	.00	.00
15	.27	.00	.00	.02	.00	.04	.00	.00	.00	.00	.00	.00
16	.02	.01	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00
17	.00	2.18	.56	.00	.67	.00	.00	.11	.00	.00	.00	.00
18	.00	2.64	.01	.33	.03	.00	.12	.00	.00	.00	.00	.00
19	.11	2.30	.00	.15	.51	.00	.00	.03	.00	.00	.00	.00
20	.07	.03	.00	.00	.00	.02	.00	.00	.00	.00	1.31	.00
21	.00	.00	.00	.01	.00	.10	.00	.00	.00	.00	.38	.09
22	.00	.00	3.12	.00	.00	.20	.01	.00	.00	.00	.81	.06
23	.00	.08	.00	.00	.02	.00	.00	.00	.00	1.46	.00	.46
24	.00	.00	.00	.00	.00	.00	.09	.00	2.02	.05	.00	.00
25	.00	.10	.00	.00	.01	.02	.00	.04	.69	.00	.00	.00
26	.00	.00	.00	.00	1.27	.00	.00	.86	.00	.00	.00	.00
27	.07	.00	.58	.10	.42	.00	.00	.00	.00	.00	.00	.26
28	.00	.00	.90	1.04	.00	.00	.00	.00	.00	.00	.00	.86
29	.00	---	1.53	1.53	.00	.00	.00	.16	.00	.00	.00	.00
30	.25	---	.00	.00	.00	.00	.00	.29	.00	.00	2.67	.00
31	.00	---	.00	---	.00	---	.00	.02	---	.00	---	.00
TOTAL	3.58	9.21	8.68	6.08	6.95	2.10	7.06	3.72	4.35	2.41	5.31	9.48

Table 7. Daily rainfall amounts at Jackson rain gage near Murfreesboro (rain gage number 36 on map) for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.01	.00	.00	.62	---	---	---	---	---
2	1.80	.00	.00	.00	.00	.00	.70	---	---	---	---	---
3	.46	.00	.00	.00	.09	1.29	1.02	---	---	---	---	---
4	.00	.00	.00	.00	.00	.69	.01	---	---	---	---	---
5	.00	.00	.00	.00	.02	.00	.47	---	---	---	---	---
6	.00	.00	.15	.11	.02	.00	.00	---	---	---	---	---
7	.00	.00	.00	.04	.00	.07	.00	---	---	---	---	---
8	.36	.00	.00	.00	.28	.11	.00	---	---	---	---	---
9	.15	.00	1.40	.01	.00	.00	.00	---	---	---	---	---
10	.00	.00	.78	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
12	.22	.09	.06	.00	1.21	1.01	.00	---	---	---	---	---
13	.59	.15	.00	.00	.00	.04	.00	---	---	---	---	---
14	.02	.22	.00	.00	.00	.00	.00	---	---	---	---	---
15	.00	.25	.00	.00	.00	.00	1.03	---	---	---	---	---
16	.00	.00	.00	.01	.00	.00	.00	---	---	---	---	---
17	.00	.03	.03	.00	.00	.00	.00	---	---	---	---	---
18	.00	.09	.83	.00	.00	1.23	.00	---	---	---	---	---
19	.00	.00	.16	.05	.12	.00	.00	---	---	---	---	---
20	.00	.00	.00	.94	.77	.06	.00	---	---	---	---	---
21	.00	.00	.00	.42	.00	.00	.25	---	---	---	---	---
22	.04	.00	.48	.00	.00	.00	.10	---	---	---	---	---
23	.48	1.52	.00	.00	.00	.00	.04	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	.96	.40	.00	.00	.04	.84	---	---	---	---	---
26	.00	.35	.02	.00	.00	1.50	.00	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.13	---	---	---	---	---
28	.00	.00	.00	.00	.01	.00	.00	---	---	---	---	---
29	.00	.00	.20	.00	.91	.00	.00	---	---	---	---	---
30	.00	---	.20	.00	.08	.13	.05	---	---	---	---	---
31	.00	---	.00	---	.00	---	.00	---	---	---	---	---
TOTAL	4.12	3.66	4.71	1.59	3.51	6.17	5.26	---	---	---	---	---

Table 8. Daily rainfall amounts at Armory rain gage at Murfreesboro (rain gage number 37 on map) for 1990, 1991, and 1992

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	---	---	.00	.00	.00
2	---	---	---	---	---	---	---	---	---	.00	.00	1.00
3	---	---	---	---	---	---	---	---	---	.00	.00	1.84
4	---	---	---	---	---	---	---	---	---	.90	.00	.00
5	---	---	---	---	---	---	---	---	---	.00	.31	.00
6	---	---	---	---	---	---	---	---	---	.00	.00	.00
7	---	---	---	---	---	---	---	---	---	.17	.00	.00
8	---	---	---	---	---	---	---	---	---	.04	.00	.00
9	---	---	---	---	---	---	---	---	---	.00	2.44	.00
10	---	---	---	---	---	---	---	---	---	.00	.10	.00
11	---	---	---	---	---	---	---	---	---	.00	.00	.00
12	---	---	---	---	---	---	---	---	---	.17	.00	.00
13	---	---	---	---	---	---	---	---	---	.00	.00	.40
14	---	---	---	---	---	---	---	---	---	.00	.00	.04
15	---	---	---	---	---	---	---	---	.01	.00	.00	.21
16	---	---	---	---	---	---	---	---	.00	.00	.09	.02
17	---	---	---	---	---	---	---	---	.00	.25	.00	.58
18	---	---	---	---	---	---	---	---	.00	.31	.00	.90
19	---	---	---	---	---	---	---	---	.00	.00	.00	.00
20	---	---	---	---	---	---	---	---	.00	.00	.00	1.83
21	---	---	---	---	---	---	---	---	1.33	.00	.00	1.54
22	---	---	---	---	---	---	---	---	.03	.99	.26	2.45
23	---	---	---	---	---	---	---	---	.00	.00	.00	.08
24	---	---	---	---	---	---	---	---	.00	.00	.00	.01
25	---	---	---	---	---	---	---	---	.00	.12	.00	.08
26	---	---	---	---	---	---	---	---	.00	.00	.00	.00
27	---	---	---	---	---	---	---	---	.00	.00	.00	1.04
28	---	---	---	---	---	---	---	---	.00	.00	1.13	.00
29	---	---	---	---	---	---	---	---	.00	.00	.00	.43
30	---	---	---	---	---	---	---	---	.00	.00	.00	1.03
31	---	---	---	---	---	---	---	---	---	.00	---	.00
TOTAL	---	---	---	---	---	---	---	---	---	2.95	4.33	13.48

Table 8. Daily rainfall amounts at Armory rain gage at Murfreesboro (rain gage number 37 on map) for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.01	.00	.72	.00	.00	.00	.00	.00	.00	.00	.09	1.71
2	.00	.00	.06	.00	.00	.00	1.45	.00	.00	.00	.00	2.69
3	.00	.00	1.11	.00	.03	.00	.00	.00	.00	.00	.00	.01
4	.00	.00	.00	.03	1.15	1.57	1.05	.00	.00	.00	.00	.00
5	.00	.38	.02	.09	.41	.00	.00	.00	.00	.36	.00	.00
6	.60e	.06	.00	.00	.02	.00	.00	.00	.10	.00	.00	.00
7	.50e	.00	.00	.01	.00	.00	.00	.68	.00	.00	.00	.00
8	.00	.00	.00	.24	1.13	.00	1.85	.00	1.48	.00	.00	.00
9	.00	.00	.00	.18	.03	.00	.31	.82	.29	.00	.00	1.34
10	1.25e	.00	.00	.00	.00	.00	1.00e	.09	.02	.16	.00	.00
11	.15e	.00	.00	.00	.00	.05	.30e	.00	.00	.00	.00	.01
12	.00	.00	.35e	.63	.68	.15	.04	.00	.00	.00	.00	.00
13	.00	1.26	.00	.05	.00	.09	.02	.00	.00	.00	.00	1.51
14	.00	.00	.00	1.53	.00	.00	.00	.00	.00	.21	.00	.00
15	.29	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00
16	.02	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00
17	.00	1.70	.60e	.00	.18	.00	.00	.01	.00	.00	.00	.00
18	.00	2.15	.00	.31	.00	.37	.15	.00	.00	.00	.00	.00
19	.10	2.04	.00	.17	.54	.00	.00	.02	.00	.00	.00	.00
20	.11	.04	.00	.00	.00	.00	.00	.00	.00	.00	1.37	.00
21	.00	.00	.00	.01	.00	.09	.00	.00	.00	.00	.32	.11
22	.00	.00	2.50e	.00	.00	.08	.00	.00	.00	.00	.80	.05
23	.00	.02	.00	.00	.02	.00	.00	.00	.00	1.41	.00	.38
24	.00	.00	.00	.00	.00	.00	.10	.00	1.84	.02	.00	.00
25	.00	.10	.00	.00	.03	.00	.00	.11	.61	.00	.00	.00
26	.00	.00	.00	.00	1.03	.00	.00	.43	.00	.00	.00	.00
27	.07	.00	.50e	.08	.03	.00	.00	.00	.00	.00	.00	.26
28	.00	.00	.90e	.91	.01	.00	.00	.00	.00	.00	.00	.82
29	.00	---	1.60e	1.30	.00	.00	.00	.67	.00	.00	.00	.01
30	.16	---	.00	.00	.00	.00	.00	.36	.00	.00	2.64	.00
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	3.26	7.76	8.36	5.56	5.29	2.41	6.27	3.19	4.34	2.16	5.22	8.90

Table 8. Daily rainfall amounts at Armory rain gage at Murfreesboro (rain gage number 37 on map) for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.02	.00	.00	.60e	---	---	---	---	---
2	1.68	.00	.00	.00	.00	.00	.80e	---	---	---	---	---
3	.44	.00	.00	.00	.13	1.56	1.10e	---	---	---	---	---
4	.00	.00	.00	.00	.00	1.04	.00	---	---	---	---	---
5	.00	.00	.00	.00	.00	.00	.60e	---	---	---	---	---
6	.00	.00	.01	.10	.00	.00	.11	---	---	---	---	---
7	.00	.00	.00	.05	.03	.04	.00	---	---	---	---	---
8	.25	.00	.00	.00	.30e	.10	.00	---	---	---	---	---
9	.11	.00	1.50	.00	.00	.01	.00	---	---	---	---	---
10	.00	.00	.81	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
12	.18	.10	.07	.00	1.25e	.88	.00	---	---	---	---	---
13	.80	.17	.00	.00	.00	.00	.00	---	---	---	---	---
14	.03	.17	.00	.00	.00	.00	.05	---	---	---	---	---
15	.00	.28	.00	.01	.00	.00	.63	---	---	---	---	---
16	.00	.00	.00	.01	.00	.00	.00	---	---	---	---	---
17	.00	.05	.14	.00	.00	.00	.02	---	---	---	---	---
18	.00	.09	.69	.00	.00	2.00e	.00	---	---	---	---	---
19	.00	.00	.22	.04	.20	.00	.00	---	---	---	---	---
20	.00	.00	.01	.88	.60	.00	.00	---	---	---	---	---
21	.00	.00	.00	.41	.00	.00	.08	---	---	---	---	---
22	.02	.00	.45	.00	.00	.00	.84	---	---	---	---	---
23	.44	1.54	.00	.00	.00	.00	.03	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	1.12	.38	.00	.00	.00	2.03	---	---	---	---	---
26	.00	.35	.02	.00	.00	1.40e	.01	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.26	---	---	---	---	---
28	.00	.00	.00	.00	.00	.00	.01	---	---	---	---	---
29	.00	.00	.32	.00	.90	.00	.00	---	---	---	---	---
30	.00	---	.05	.00	.10	.10e	.23	---	---	---	---	---
31	.00	---	.00	---	.00	---	.00	---	---	---	---	---
TOTAL	3.95	3.87	4.67	1.52	3.51	7.13	7.40	---	---	---	---	---

**Table 9. Daily rainfall amounts at Ellis rain gage near Dillton (rain gage number 38 on map)
for 1990, 1991, and 1992**

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	---	---	---	---	---	---	.00	.00	.00
2	---	---	---	---	---	---	---	---	---	.00	.00	.57
3	---	---	---	---	---	---	---	---	---	.00	.00	1.57
4	---	---	---	---	---	---	---	---	---	1.52	.00	.00
5	---	---	---	---	---	---	---	---	---	.00	.42	.00
6	---	---	---	---	---	---	---	---	---	.00	.00	.00
7	---	---	---	---	---	---	---	---	---	.07	.00	.00
8	---	---	---	---	---	---	---	---	---	.30	.00	.00
9	---	---	---	---	---	---	---	---	---	.00	2.25e	.00
10	---	---	---	---	---	---	---	---	---	.14	.10e	.00
11	---	---	---	---	---	---	---	---	---	.00	.00	.00
12	---	---	---	---	---	---	---	---	---	.49	.00	.00
13	---	---	---	---	---	---	---	---	---	.00	.00	.55
14	---	---	---	---	---	---	---	---	---	.00	.00	.05
15	---	---	---	---	---	---	---	---	.01	.00	.00	.36
16	---	---	---	---	---	---	---	---	.00	.00	.15	.01
17	---	---	---	---	---	---	---	---	.00	.18	.00	.40e
18	---	---	---	---	---	---	---	---	.00	.18	.00	.80e
19	---	---	---	---	---	---	---	---	.00	.00	.00	.00
20	---	---	---	---	---	---	---	---	.00	.00	.00	2.68
21	---	---	---	---	---	---	---	---	1.93	.01	.00	1.06
22	---	---	---	---	---	---	---	---	.04	1.11	.20	2.61
23	---	---	---	---	---	---	---	---	.00	.00	.07	.32
24	---	---	---	---	---	---	---	---	.00	.01	.00	.00
25	---	---	---	---	---	---	---	---	.00	.17	.00	.04
26	---	---	---	---	---	---	---	---	.00	.00	.00	.00
27	---	---	---	---	---	---	---	---	.00	.00	.00	1.48
28	---	---	---	---	---	---	---	---	.00	.00	1.10e	.05
29	---	---	---	---	---	---	---	---	.00	.00	.00	.28
30	---	---	---	---	---	---	---	---	.00	.00	.00	1.14
31	---	---	---	---	---	---	---	---	---	.00	---	.00
TOTAL	---	---	---	---	---	---	---	---	---	4.18	4.29	13.97

Table 9. Daily rainfall amounts at Ellis rain gage near Dillton (rain gage number 38 on map)
for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.90	.01	.00	.00	.00	.00	.00	.00	.09	1.80e
2	.00	.00	.00	.00	.00	.00	1.00e	.00	.00	.00	.00	2.80e
3	.00	.00	1.13	.00	.02	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.09	.68	1.83	.40e	.15e	.00	.00	.00	.00
5	.00	.29	.00	.05	.65	.00	.00	.00	.00	.59	.00	.00
6	.42	.04	.00	.00	.08	.00	.00	.50e	.00	.00	.00	.00
7	.54	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.03	.00	.00	.22	1.04	.00	.15e	.00	.00	.00	.00	.00
9	.02	.00	.00	.21	.00	.00	.25e	1.00e	.10	.00	.00	1.60e
10	1.12	.00	.00	.00	.03	.00	1.00e	.10e	.04	.17	.00	.00
11	.10	.00	.00	.00	.03	.01	.25e	.00	1.01	.01	.00	.01
12	.07	.00	.28	.74	.60	.23	.00	.00	.00	.00	.00	.00
13	.00	1.46	.00	.06	.00	.04	.00	.00	.00	.00	.00	1.54
14	.00	.00	.00	1.64	.00	.00	.00	.00	.00	.19	.00	.00
15	.05	.00	.00	.03	.00	.17	.00	.00	.00	.00	.00	.00
16	.00	.01	.00	.00	.01	.02	.00	.00	.00	.00	.00	.00
17	.00	2.67	.66	.00	.00	.00	.00	.00	.06	.00	.00	.00
18	.00	2.56	.00	.10	.06	.00	.00	.00	.00	.00	.00	.00
19	.13	2.15	.00	.16	.52	.00	.00	.00	.02	.00	.00	.00
20	.08	.04	.00	.00	.00	.03	.00	.00	.00	.00	.90e	.00
21	.00	.00	.00	.00	.00	.43	.00	.00	.00	.00	.50e	.10
22	.00	.00	2.70	.00	.00	.22	.00	.00	.00	.00	.65e	.05
23	.00	.06	.00	.00	.03	.00	.00	.00	.00	2.11	.00	.48
24	.00	.00	.00	.00	.00	.00	.03	.00	1.97	.00	.00	.00
25	.00	.14	.00	.00	.00	.09	.00	.00	.80	.00	.00	.00
26	.00	.00	.00	.00	.53	.00	.00	.25e	.00	.00	.00	.00
27	.11	.00	.43	.06	.06	.00	.00	.00	.00	.00	.00	.37
28	.00	.00	1.02	.89	.00	.04	.00	.00	.00	.00	.00	1.02
29	.00	---	1.90	1.32	.00	.00	.00	.10e	.00	.00	.00	.01
30	.36	---	.00	.00	.00	.00	.00	.05e	.00	.00	2.30e	.00
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	3.03	9.43	9.02	5.58	4.34	3.11	3.08	2.15	4.00	3.07	4.44	9.78

Table 9. Daily rainfall amounts at Ellis rain gage near Dillton (rain gage number 38 on map)
for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.02	.00	.00	.56	---	---	---	---	---
2	1.94	.00	.00	.00	.00	.00	.95	---	---	---	---	---
3	.56	.00	.00	.00	.11	2.02	.90	---	---	---	---	---
4	.00	.00	.00	.00	.00	.54	.00	---	---	---	---	---
5	.00	.00	.00	.00	.00	.05	.77	---	---	---	---	---
6	.00	.00	.02	.23	.00	.00	.00	---	---	---	---	---
7	.00	.00	.00	.08	.01	.12	.00	---	---	---	---	---
8	.37	.00	.00	.00	.34	.07	.00	---	---	---	---	---
9	.45	.00	1.23	.01	.00	.27	.00	---	---	---	---	---
10	.00	.00	.86	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
12	.19	.09	.06	.00	1.25	1.34	.00	---	---	---	---	---
13	.33	.20	.00	.00	.00	.04	.00	---	---	---	---	---
14	.02	.13	.00	.00	.00	.00	.32	---	---	---	---	---
15	.00	.26	.00	.02	.00	.20	.23	---	---	---	---	---
16	.00	.00	.00	.00	.00	.00	.07	---	---	---	---	---
17	.00	.02	.04	.00	.00	.00	.78	---	---	---	---	---
18	.00	.11	.66	.00	.03	.97	.00	---	---	---	---	---
19	.00	.00	.21	.04	.59	.00	.00	---	---	---	---	---
20	.00	.00	.00	.62	.00	.03	.00	---	---	---	---	---
21	.00	.00	.00	.67	.05	.00	.29	---	---	---	---	---
22	.03	.00	.58	.00	.00	.00	.29	---	---	---	---	---
23	.47	1.61	.01	.00	.00	.00	.41	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	1.22	.33	.00	.00	.04	.02	---	---	---	---	---
26	.00	.35	.03	.00	.02	1.78	.00	---	---	---	---	---
27	.00	.00	.00	.03	.00	.01	.15	---	---	---	---	---
28	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
29	.00	.00	.21	.00	.33	.00	.00	---	---	---	---	---
30	.00	---	.20	.00	.11	.10	.03	---	---	---	---	---
31	.00	---	.00	---	.00	---	.09	---	---	---	---	---
TOTAL	4.36	3.99	4.44	1.72	2.84	7.58	5.86	---	---	---	---	---

Table 10. Daily rainfall amounts at Lytle Creek at Sanbyrn Drive at Murfreesboro (rain gage number 44 on map) for 1990, 1991, and 1992

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	.20	.00	.10e	.00	1.09	.00	.00	.00	.00	.00
2	---	---	.48	.06	.00	.00	.00	.00	.00	.00	.00	.89
3	---	---	.00	.00	.00	1.00e	.00	.00	.00	.00	.00	1.67
4	---	---	.00	.00	.75e	.00	.00	.29	.00	1.25e	.00	.00
5	---	---	.00	.00	.00	.00	.00	.41	.00	.00	.38	.00
6	---	---	.00	.60	.00	.00	.00	.00	.00	.00	.00	.00
7	---	---	.00	.00	.00	.00	.00	.00	1.65	.15e	.00	.00
8	---	---	.43	.00	.00	.00	.00	.00	.04	.05e	.00	.00
9	---	---	.46	.00	.25e	.00	.27	.00	.00	.00	2.22	.00
10	---	---	.00	.18	.15e	.00	.00	.00	.05	.05e	.16	.00
11	---	---	.00	.00	.00	.00	1.40	.00	.06	.00	.00	.00
12	---	---	.00	.00	.30e	.00	1.62	.00	.38	.25e	.00	.00
13	---	---	.00	.00	.00	.00	.06	.00	.07	.00	.02	.45
14	---	---	.00	.09	.00	.05e	.00	.00	.28	.00	.00	.03
15	---	---	.85	.00	.00	.00	.00	.00	.00	.00	.00	.23
16	---	---	.83	.00	.00	.00	.00	.00	.00	.00	.10	.00
17	---	.00	.01	.50e	.60e	.00	.00	.00	.00	.25e	.00	.46
18	---	.02	.00	.00	.00	.65e	.00	.00	.00	.25e	.00	.97
19	---	.00	.08	.00	.35e	.00	.00	.00	.00	.00	.00	.00
20	---	.00	.00	.00	.75e	.05e	.00	.00	.00	.00	.00	2.00
21	---	.00	.00	.40e	.45e	.05e	1.36	.02	1.00e	.00	.00	1.39
22	---	.06	.00	.00	.00	.32	.41	.00	.05e	1.00e	.28	2.33
23	---	.00	.00	.00	.00	.00	.01	.00	.00	.00	.01	.09
24	---	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	---	.00	.00	.00	.00	.00	.00	.00	.00	.10e	.00	.02
26	---	.00	.00	.00	.10e	.00	.00	.00	.00	.00	.00	.00
27	---	.00	.00	.00	.15e	.00	.00	.00	.00	.00	.00	1.21
28	---	.00	.00	.35e	.00	.00	.00	.00	.00	.00	1.12	.03
29	---	---	.09	.00	.00	.00	.00	.20	.00	.00	.00	.29
30	---	---	.31	.00	.00	.00	.03	.00	.00	.00	.00	1.41
31	---	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	---	---	3.78	2.18	3.95	2.12	6.25	0.92	3.58	3.35	4.29	13.47

Table 10. Daily rainfall amounts at Lytle Creek at Sanbyrn Drive at Murfreesboro (rain gage number 44 on map) for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.62	.00	.00	.00	.00	.00	.00	.00	.10	1.93
2	.00	.00	.01	.00	.00	.00	1.82	.00	.00	.00	.00	2.53
3	.00	.00	.99	.00	.03	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.04	.76	2.26	1.07	.07	.00	.00	.00	.00
5	.00	.33	.00	.12	.45	.00	.00	.00	.00	.46	.00	.00
6	.60	.04	.03	.00	.12	.00	.00	.16	.16	.00	.00	.00
7	.52	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00
8	.05	.00	.00	.12	1.12	.00	1.25e	.00	.77	.00	.00	.00
9	.03	.00	.00	.33	.01	.00	.12	1.75	.27	.00	.00	1.63
10	1.28	.00	.00	.00	.00	.00	1.62	.12	.04	.19	.00	.01
11	.14	.00	.00	.00	.01	.05	.22	.00	.23	.00	.00	.00
12	.03	.00	.32	.65	.95	.05	.00	.00	.00	.00	.00	.00
13	.00	1.38	.00	.10	.01	.46	.00	.00	.00	.00	.00	1.77
14	.00	.00	.00	1.32	.00	.00	.06	.00	.00	.20	.00	.00
15	.22	.00	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00
16	.02	.03	.00	.00	.00	.02	.00	.00	.00	.00	.00	.00
17	.00	1.97	.52	.00	.01	.00	.00	.04	.00	.00	.00	.00
18	.00	2.40	.02	.20	.00	.20	.10	.02	.00	.00	.00	.00
19	.12	2.25	.00	.15	.30e	.00	.00	.06	.00	.00	.00	.00
20	.07	.05	.00	.00	.01	.01	.00	.00	.00	.00	1.06	.00
21	.00	.00	.00	.00	.00	.07	.00	.00	.00	.00	.48	.11
22	.00	.00	2.48	.00	.03	.19	.00	.00	.00	.00	.77	.06
23	.00	.03	.00	.00	.00	.00	.00	.00	.00	1.40	.00	.43
24	.00	.00	.00	.00	.00	.00	.08	.00	1.77	.00	.00	.00
25	.00	.10	.00	.00	.00	.01	.01	.12	.61	.00	.00	.00
26	.00	.00	.00	.00	1.02	.00	.00	.71	.00	.00	.00	.00
27	.07	.00	.62	.13	.20	.00	.00	.00	.00	.00	.00	.27
28	.00	.00	.90	.87	.00	.06	.00	.00	.00	.00	.00	.80
29	.00	---	1.62	1.22	.00	.00	.00	.22	.00	.00	.00	.00
30	.24	---	.00	.00	.00	.00	.00	.50	.00	.00	2.59	.00
31	.00	---	.00	---	.00	---	.00	.03	---	.00	---	.00
TOTAL	3.39	8.58	8.13	5.31	5.03	3.38	6.35	3.91	3.85	2.25	5.00	9.54

Table 10.. Daily rainfall amounts at Lytle Creek at Sanbyrn Drive at Murfreesboro (rain gage number 44 on map) for 1990, 1991, and 1992--Continued

[All values given in inches; ---, no data; e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.02	.00	.00	.47	---	---	---	---	---
2	1.97	.00	.00	.00	.00	.00	.87	---	---	---	---	---
3	.57	.00	.00	.00	.18	1.48	1.07	---	---	---	---	---
4	.00	.00	.00	.00	.00	.39	.00	---	---	---	---	---
5	.00	.00	.00	.00	.03	.08	.53	---	---	---	---	---
6	.00	.00	.06	.09	.00	.00	.00	---	---	---	---	---
7	.01	.00	.00	.10	.01	.08	.00	---	---	---	---	---
8	.32	.00	.00	.00	.34	.06	.00	---	---	---	---	---
9	.19	.00	1.45	.01	.00	.02	.01	---	---	---	---	---
10	.00	.00	.87	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.03	.00	.00	---	---	---	---	---
12	.22	.10	.09	.00	1.56	1.31	.00	---	---	---	---	---
13	.55	.30	.00	.00	.01	.04	.00	---	---	---	---	---
14	.03	.19	.00	.00	.00	.00	.00	---	---	---	---	---
15	.00	.31	.00	.00	.00	.00	.96	---	---	---	---	---
16	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
17	.00	.03	.03	.00	.00	.00	.00	---	---	---	---	---
18	.00	.08	.88	.00	.02	.96	.00	---	---	---	---	---
19	.00	.00	.18	.05	.20	.00	.00	---	---	---	---	---
20	.00	.00	.00	.86	.56	.10	.00	---	---	---	---	---
21	.00	.00	.00	.57	.01	.00	.94	---	---	---	---	---
22	.04	.00	.57	.00	.00	.00	.17	---	---	---	---	---
23	.49	1.79	.00	.00	.00	.00	.00	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	1.08	.44	.00	.00	.07	1.13	---	---	---	---	---
26	.00	.41	.02	.00	.02	1.86	.00	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.34	---	---	---	---	---
28	.00	.00	.00	.00	.01	.00	.01	---	---	---	---	---
29	.00	.00	.25	.00	.94	.00	.00	---	---	---	---	---
30	.00	---	.18	.00	.09	.15	.03	---	---	---	---	---
31	.00	---	.00	---	.00	---	.02	---	---	---	---	---
TOTAL	4.39	4.29	5.02	1.70	4.01	6.60	6.55	---	---	---	---	---

Table 11. Daily rainfall amounts at Sinking Creek near Murfreesboro (rain gage number 62 on map) for 1990, 1991, and 1992

[All values given in inches; ---, no data; e, estimated]

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	.16	.00	.13	.00	.80e	.00	.00	.00	.00	.00
2	---	---	.55	.03	.05	.00	.00	.00	.00	.00	.00	1.12
3	---	---	.00	.00	.00	1.48	.00	.00	.00	.00	.00	1.78
4	---	---	.00	.00	.81	.00	.00	.40	.00	1.17	.00	.00
5	---	---	.00	.00	.00	.00	.00	.69	.00	.00	.32	.00
6	---	---	.00	.61	.02	.00	.00	.00	.00	.00	.00	.00
7	---	---	.00	.00	.00	.00	.00	.00	1.95	.09	.00	.00
8	---	---	.42	.00	.00	.00	.00	.00	.09	.03	.00	.00
9	---	---	.35	.00	.27	.00	.10e	.00	.01	.00	2.55	.00
10	---	---	.00	.13	.21	.00	.00	.00	.18	.03	.06	.00
11	---	---	.00	.00	.00	.00	1.40e	.00	.48	.00	.00	.00
12	---	---	.00	.00	.37	.00	1.00e	.00	.05	.27	.00	.00
13	---	---	.00	.00	.00	.00	.00	.00	.01	.00	.00	.41
14	---	---	.00	.13	.00	.13	.00	.00	.21	.00	.00	.03
15	---	---	.95	.00	.00	.00	.00	.00	.01	.00	.00	.22
16	---	---	.96	.00	.00	.00	.00	.00	.00	.00	.11	.01
17	---	.00	.00	.60	.62	.00	.00	.00	.00	.24	.00	.60
18	---	.03	.00	.00	.00	.88	.00	.00	.00	.27	.00	.89
19	---	.00	.11	.00	.43	.00	.00	.00	.00	.00	.00	.00
20	---	.00	.00	.00	.96	.05e	.00	.00	.00	.00	.00	1.93
21	---	.00	.00	.48	.54	.05e	1.60e	.24	1.08	.00	.00	1.67
22	---	.03	.00	.02	.00	.25e	.60e	.00	.03	.96	.30	2.54
23	---	.00	.00	.00	.00	.00	.00	.00	.00	.00	.01	.08
24	---	.00	.06	.00	.00	.00	.00	.00	.00	.00	.00	.00
25	---	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.08
26	---	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00
27	---	.00	.00	.00	.19	.00	.00	.00	.00	.00	.00	1.30
28	---	.00	.00	.46	.00	.00	.00	.00	.00	.00	1.13	.01
29	---	---	.14	.00	.00	.00	.00	.30	.00	.00	.00	.38
30	---	---	.33	.00	.00	.10e	.02	.00	.00	.00	.00	1.09
31	---	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	---	---	4.03	2.46	4.68	2.94	5.52	1.63	4.10	3.21	4.48	14.14

Table 11. Daily rainfall amounts at Sinking Creek near Murfreesboro (rain gage number 62 on map) for 1990, 1991, and 1992--Continued

[All values given in inches. ---, No data. e, estimated]

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.67	.00	.00	.00	.00	.00	.00	.00	.10	1.75
2	.00	.00	.09	.00	.00	.00	1.00e	.00	.00	.00	.00	2.96
3	.00	.00	.98	.00	.03	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.03	.83	1.95	.90e	.00	.00	.00	.00	.00
5	.00	.36	.00	.06	.50	.00	.00	.00	.00	.50e	.00	.00
6	.54	.07	.19	.00	.00	.00	.00	.15e	.00	.00	.00	.00
7	.47	.00	.00	.00	.00	.00	.00	.10e	.00	.00	.00	.00
8	.03	.00	.00	.14	1.06	.00	1.00e	.00	.80e	.00	.00	.00
9	.03	.00	.00	.16	.03	.00	.25e	1.00e	.20e	.00	.00	1.57
10	1.33	.00	.00	.00	.00	.00	1.00e	.10e	.00	.20e	.00	.00
11	.18	.00	.00	.00	.00	.09	.30e	.00	.30e	.00	.00	.01
12	.03	.00	.37	.62	.58	.02	.00	.00	.00	.00	.00	.00
13	.00	1.26	.00	.06	.00	.26	.00	.00	.00	.00	.00	1.60
14	.00	.01	.00	1.49	.00	.00	.00	.00	.00	.20e	.00	.00
15	.27	.00	.00	.02	.01	.00	.00	.00	.00	.00	.00	.00
16	.03	.00	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00
17	.00	1.77	.59	.00	.02	.00	.00	.00	.00	.00	.00	.00
18	.00	2.33	.00	.30	.00	.28	.00	.00	.00	.00	.00	.00
19	.14	2.11	.00	.12	.19	.00	.00	.00	.00	.00	.00	.00
20	.09	.05	.00	.00	.01	.00	.00	.00	.00	.00	1.37	.00
21	.00	.00	.00	.00	.00	.06	.00	.00	.00	.00	.39	.11
22	.00	.00	2.28	.00	.00	.16	.00	.00	.00	.00	.70	.06
23	.00	.00	.00	.00	.05	.00	.00	.00	.00	1.34	.00	.40
24	.00	.00	.00	.00	.00	.00	.08	.00	1.50e	.00	.00	.00
25	.00	.10	.00	.00	.00	.02	.21	.10e	.60e	.00	.00	.00
26	.00	.01	.00	.00	1.14	.00	.13	.50e	.00	.00	.00	.00
27	.07	.00	.51	.08	.07	.00	.00	.00	.00	.00	.00	.28
28	.00	.00	.85	.98	.00	.02	.00	.00	.00	.00	.00	.86
29	.00	---	1.48	1.38	.00	.00	.00	.20e	.00	.00	.00	.01
30	.15	---	.00	.00	.00	.00	.00	.40e	.00	.00	2.85	.00
31	.00	---	.00	---	.00	---	.00	.00	---	.00	---	.00
TOTAL	3.36	8.07	8.01	5.44	4.62	2.86	4.87	2.55	3.40	2.24	5.41	9.61

Table 11. Daily rainfall amounts at Sinking Creek near Murfreesboro (rain gage number 62 on map) for 1990, 1991, and 1992--Continued

[All values given in inches. ---, No data. e, estimated]

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	.00	.00	.00	.02	.00	.00	1.04	---	---	---	---	---
2	1.97	.00	.00	.00	.00	.00	1.34	---	---	---	---	---
3	.49	.00	.00	.00	.12	1.57	1.28	---	---	---	---	---
4	.00	.00	.00	.00	.00	.53	.00	---	---	---	---	---
5	.00	.00	.00	.00	.00	.01	.45	---	---	---	---	---
6	.00	.00	.04	.10	.00	.00	.00	---	---	---	---	---
7	.00	.00	.00	.05	.02	.05	.00	---	---	---	---	---
8	.30	.00	.00	.00	.30	.00	.00	---	---	---	---	---
9	.15	.00	1.25	.01	.00	.00	.00	---	---	---	---	---
10	.00	.00	.89	.00	.00	.00	.00	---	---	---	---	---
11	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
12	.21	.10	.06	.00	1.43	.88	.00	---	---	---	---	---
13	.71	.28	.00	.00	.00	.00	.00	---	---	---	---	---
14	.04	.16	.00	.00	.00	.00	.01	---	---	---	---	---
15	.00	.29	.00	.02	.06	.00	.57	---	---	---	---	---
16	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
17	.00	.02	.11	.00	.00	.00	.00	---	---	---	---	---
18	.00	.09	.76	.00	.88	2.97	.00	---	---	---	---	---
19	.00	.00	.24	.05	.37	.00	.00	---	---	---	---	---
20	.00	.00	.00	.92	.43	.08	.00	---	---	---	---	---
21	.00	.00	.00	.46	.00	.00	.50e	---	---	---	---	---
22	.03	.00	.46	.00	.00	.00	.25e	---	---	---	---	---
23	.52	1.52	.00	.00	.00	.00	.00	---	---	---	---	---
24	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
25	.00	1.07	.41	.00	.00	.14	.50e	---	---	---	---	---
26	.00	.36	.01	.00	.01	1.01	.00	---	---	---	---	---
27	.00	.00	.00	.00	.00	.00	.20e	---	---	---	---	---
28	.00	.00	.00	.00	.00	.00	.00	---	---	---	---	---
29	.00	.00	.32	.00	.91	.00	.00	---	---	---	---	---
30	.00	---	.04	.00	.09	.07	.05e	---	---	---	---	---
31	.00	---	.00	---	.00	---	.00	---	---	---	---	---
TOTAL	4.42	3.89	4.59	1.63	4.62	7.31	6.64	---	---	---	---	---

**Table 12. Daily mean discharge at Bushman Creek at Pitts Lane Ford near Compton
(continuous-record streamflow gage number 24 on map)
for 1989, 1990, 1991, and 1992**

[All values given in cubic feet per second; ---, no data; e, estimated]

DRAINAGE AREA--9.67 square miles

DAY	1989											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	48	9.6	15	561	69	1.6	605	8.0	16
2	---	---	---	33	10	229	409	192	1.2	419	6.5	13
3	---	---	---	46	9.6	184	245	50	.77	166	6.8	12
4	---	---	---	340	8.2	79	181	25	.62	83	6.7	8.9
5	---	---	---	205	17	56	130	17	.54	56	5.6	9.5
6	---	---	---	86	34	42	92	13	.48	40	13	8.3
7	---	---	---	119	20	32	80	11	.50	32	33	7.1
8	---	---	---	100	15	42	61	8.9	.50	25	181	14
9	---	---	---	79	16	242	42	7.5	.48	20	96	22
10	---	---	---	51	26	85	30	7.1	.71	14	45	20
11	---	---	---	38	18	44	149	7.0	.74	13	32	18
12	---	---	---	30	14	99	135	6.6	.61	12	25	19
13	---	---	---	25	12	376	117	6.0	.51	12	18	23
14	---	---	---	22	10	211	50	6.0	.52	12	51	14
15	---	---	---	30	9.1	362	31	5.5	11	12	88	17
16	---	---	---	27	8.0	259	24	5.0	15	11	120	11
17	---	---	---	23	7.5	111	20	4.6	7.1	87	50	8.9
18	---	---	---	20	7.4	66	16	4.6	5.5	44	33	8.9
19	---	---	---	18	7.4	389	14	3.8	5.1	30	27	14
20	---	---	---	16	203	233	16	3.1	4.6	25	22	15
21	---	---	---	15	73	123	13	2.5	4.2	20	17	11
22	---	---	---	14	30	68	72	1.9	65	18	36	8.5
23	---	---	---	13	21	47	27	1.6	249	13	68	6.5
24	---	---	---	12	16	33	17	2.4	60	13	37	6.3
25	---	---	---	11	13	26	13	2.8	36	12	26	5.5
26	---	---	---	11	14	21	9.6	2.2	61	11	22	4.9
27	---	---	---	10	264	18	7.9	2.5	30	9.9	18	4.2
28	---	---	---	9.6	81	17	6.8	2.4	20	9.5	24	3.7
29	---	---	20	8.6	38	15	5.6	1.6	50	8.6	20	3.4
30	---	---	20	8.0	23	22	5.3	1.5	334	7.3	17	13
31	---	---	78	---	18	---	5.0	1.6	---	6.9	---	287

**Table 12. Daily mean discharge at Bushman Creek at Pitts Lane Ford near Compton
(continuous-record streamflow gage number 24 on map)
for 1989, 1990, 1991, and 1992--Continued**

[All values given in cubic feet per second; ---, no data; e, estimated]

DRAINAGE AREA--9.67 square miles

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	113	9.6	10	10	9.1	10	.48	3.5	.34	3.3e	3.3	15
2	44	25	15	9.5	9.7	8.6	.48	2.0	.34	3.2e	3.2	18
3	24	740	26	9.0	9.7	9.1	.48	1.2	.33	3.1e	3.0	248
4	81	573	20	8.2	32	11	.48	1.1	.29	21e	2.8	36e
5	54	247	17	8.0	98	10	.45	1.0	.27	14e	3.1	39e
6	35	93	15	9.8	35	9.1	.42	1.3e	.27	7.2	2.5	41e
7	22	61	13	15	23	8.5	.42	1.0e	.27	5.4	2.5	28e
8	26	44	18	13	17	8.5	.45	.88e	1.8	4.7	2.3	21e
9	24	38	43	11	13	6.5	.42	.76e	2.9	4.3	2.2	17e
10	21	279	62	10	14	5.5	.42	.68e	1.7	4.1	111e	15e
11	14	100	37	11	12	4.6	.90	.72e	.79	3.2	48	12e
12	12	57	27	9.6	9.8	4.2	32	.65e	.65	3.7	26	11
13	11	44	22	8.9	9.1	3.8	30	.60e	.97	3.8	17	8.9
14	8.4	33	19	8.5	8.0	3.2	25	.58e	1.2	4.2	12	21
15	6.4	42	18	8.5	7.2	3.2	14	.55e	1.0	4.0	9.7	20
16	9.9	120	245	8.0	7.0	3.2	9.7	.52e	.80	3.5	7.6	25
17	5.3	62	190	8.2	13	2.9	8.5	.49e	.65	3.5	6.5	37
18	46	42	79	12	11	3.5	7.0	.47e	.51	3.0	6.0	43
19	23	34	47	11	7.9	3.2	6.5	.45e	.47	2.8	5.0	55
20	88	27	35	9.8	20	2.0	5.5	.44e	.42	2.8	4.8	50
21	130	23	27	23	36	1.4	12	.43e	6.6	2.7	4.0	240
22	52	21	23	62	52	2.0	25	.48e	45	10	4.2	452
23	27	18	20	27	28	2.3	40	.40e	8.5	25	4.4	150e
24	20	16	17	19	19	1.4	25	.35e	3.2	14	4.9	70e
25	19	14	16	15	15	1.1	13	.32e	3.1	9.7	4.3	34e
26	22	13	15	12	11	.76	9.1	.31e	3.4	8.0	3.8	25e
27	14	13	13	11	25	.76	8.5	.30	3.5	5.5	3.8	19e
28	9.9	12	13	11	34	.55	7.4	.30	3.4	4.7	46	30
29	187	---	12	14	18	.51	6.5	.29	3.0	4.0	37	83
30	88	---	12	11	13	.51	6.5	.32	2.2	3.8	21	48
31	35	---	12	---	12	---	5.6	.34	---	3.7	---	200e

Table 12. Daily mean discharge at Bushman Creek at Pitts Lane Ford near Compton
(continuous-record streamflow gage number 24 on map)
for 1989, 1990, 1991, and 1992--Continued

[All values given in cubic feet per second; ---, no data; e, estimated]

DRAINAGE AREA--9.67 square miles

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	90e	16	44	61	43	9.7	2.4	.38	.31	3.2	3.7	452
2	51e	14	93	45	26	9.4	1.9	.34	.31	2.9	3.2	534
3	40e	13	350e	32	19	9.4	2.6	.34	.29	2.3	2.9	511
4	33e	12	155e	26	81	25	4.3	.33	.27	1.3	1.4	257
5	24e	12	137	22	205	52	4.5	.31	.27	1.3	1.2	90
6	19e	17	63	18	111	17	4.5	.31	.27	1.2	1.2	70
7	18e	18e	50	17	54	11	3.7	3.1	.25	1.4	.90	52
8	17e	12e	40	16	42	8.0	2.6	3.9	.31	1.1	.78	38
9	16e	14	31	16	172	7.0	2.1	3.5	1.0	.91	.76	276
10	15e	14	28	15	60	7.0	4.4	4.6	1.2	.93	.73	232
11	110e	13	27	14	37	6.5	20	5.0	1.4	.90	.65	92
12	60e	12	26	23	70	5.9	14	3.8	2.3	.90	.64	66
13	45e	40	28	31	50	5.1	7.8	3.1	2.2	.77	.60	328
14	39e	22e	23e	75	32	6.3	6.5	2.8	1.2	.69	.65	269
15	30e	17e	19e	294	24	7.0	5.2	2.3	.65	.67	.65	90
16	23e	32e	11	75	18	6.4	4.5	1.2	.48	.65	.66	53
17	22e	22	12	45	16	5.5	4.1	.68	.42	.65	.57	47
18	24e	297	34	27	14	5.4	3.5	.52	.41	.71	.55	17
19	21e	280	23	28	15	5.1	2.6	.44	.38	.62	.55	12
20	20e	116e	19	22	37	5.2	1.4	.40	.36	.55	1.1	21
21	19e	159e	28	15	21	4.4	.98	.36	.36	.52	2.7	18
22	17e	82	115	17	15	4.5	.63	.34	.34	.48	70	17
23	16e	54	398	14	13	5.5	.55	.33	.32	10	30	42
24	15e	47	92	12	11	5.5	.54	.29	1.5	33	14	38
25	14e	38e	47	10	9.6	6.6	.51	.28	30	13	9.7	18
26	15e	32e	44	9.2	16	6.8	.49	.37	11	8.4	6.5	17
27	13e	27	33	9.0	15	6.0	.44	.43	5.1	6.5	6.3	20
28	12e	23	36	17	13	5.5	.42	.36	4.1	5.6	5.6	198
29	12	---	63	194	14	5.0	.39	.33	3.6	5.0	5.1	174
30	12e	---	166e	116	12	4.0	.36	.30	3.0	4.3	90	84
31	18e	---	99	---	9.8	---	.38	.29	---	4.1	---	54

**Table 12. Daily mean discharge at Bushman Creek at Pitts Lane Ford near Compton
(continuous-record streamflow gage number 24 on map)
for 1989, 1990, 1991, and 1992--Continued**

[All values given in cubic feet per second; ---, no data; e, estimated]

DRAINAGE AREA--9.67 square miles

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	31	9.7	47	26	5.2	2.0	22	---	---	---	---	---
2	187	8.5	35	22	5.0	1.5	197	---	---	---	---	---
3	461	8.5	28	19	4.6	39	344	---	---	---	---	---
4	265	8.7	24	18	4.2	86	139	---	---	---	---	---
5	129	8.6	20	15	4.2	57	89	---	---	---	---	---
6	77	7.4	17	14	3.8	27	---	---	---	---	---	---
7	66	7.4	16	14	3.5	17	---	---	---	---	---	---
8	36	6.5	13	14	3.3	13	---	---	---	---	---	---
9	96	5.5	13	13	3.2	11	---	---	---	---	---	---
10	75	5.5	322	13	3.0	9.0	---	---	---	---	---	---
11	40	6.0	112	12	2.6	8.6	---	---	---	---	---	---
12	34	6.0	57	10	2.4	7.1	---	---	---	---	---	---
13	40	6.1	40	9.2	13	9.2	---	---	---	---	---	---
14	65	6.5	30	9.4	9.0	9.7	---	---	---	---	---	---
15	45	16	24	8.6	6.9	8.4	---	---	---	---	---	---
16	33	17	20	7.9	6.0	7.1	---	---	---	---	---	---
17	26	13	18	7.4	5.5	7.3	---	---	---	---	---	---
18	20	12	37	7.4	4.3	167	---	---	---	---	---	---
19	18	12	63	7.0	4.2	117	---	---	---	---	---	---
20	16	11	49	7.1	4.1	37	---	---	---	---	---	---
21	15	10	36	28	3.9	21	---	---	---	---	---	---
22	14	9.7	32	22	3.9	15	---	---	---	---	---	---
23	23	165	67	15	3.5	11	---	---	---	---	---	---
24	29	261	43	12	2.9	9.5	---	---	---	---	---	---
25	23	206	39	10	2.0	8.5	---	---	---	---	---	---
26	20	381	46	8.3	1.5	117	---	---	---	---	---	---
27	16	189	35	7.4	1.2	85	---	---	---	---	---	---
28	15	103	28	6.5	1.1	30	---	---	---	---	---	---
29	12	66	24	6.5	1.3	17	---	---	---	---	---	---
30	13	---	27	6.0	2.1	13	---	---	---	---	---	---
31	12	---	32	---	2.6	---	---	---	---	---	---	---

**Table 13. Daily mean discharge at Lytle Creek at Sanbyrn Drive at Murfreesboro
(continuous-record streamflow gage number 44 on map)
for 1990, 1991, and 1992**

[All values given in cubic feet per second; ---, no data; e, estimated]

DRAINAGE AREA--17.6 square miles

DAY	1990											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	---	---	---	2.5	3.8	2.7	.20	.01	.00	.00	2.7	2.0
2	---	---	---	2.2	4.4	2.1	.08	.05	.00	.00	2.9	.19
3	---	---	---	2.3	3.5	2.2	.02	.01	.00	.00	3.0	1.1
4	---	---	---	2.7	8.9	2.0	.00	.01	.00	.57	3.2	.00
5	---	---	---	2.7	68	1.3	.00	.01	.00	.03	3.8	.13
6	---	---	---	2.3	12	1.2	.00	.00	.00	.03	3.6	.73
7	---	---	---	2.7	8.6	.81	.00	.00	.29	.01	3.4	.00
8	---	---	---	2.8	7.0	.49	.00	.00	.14	.01	3.2	.34
9	---	---	---	2.9	5.8	.40	.00	.00	.00	.00	2.7	1.8
10	---	---	---	2.6	5.8	.30	.00	.00	.00	.00	1.6	2.6
11	---	---	---	2.5	5.3	.37	1.2	.00	.00	.01	.96	2.1
12	---	---	---	3.3	4.2	.28	2.1	.00	.00	.28	5.8	2.3
13	---	---	---	4.0	3.3	.25	1.1	.00	.00	.40	3.1	.10
14	---	---	---	3.5	2.6	.10	.33	.00	.00	.64	2.4	.17
15	---	---	---	3.5	2.4	.09	.00	.00	.01	.62	2.1e	1.1
16	---	---	---	2.0	2.0	.05	.00	.00	.00	.53	1.9e	.00
17	---	---	---	2.9	3.7	.01	.00	.00	.00	1.2	1.7e	2.4
18	---	---	---	2.6	2.3	.12	.08	.00	.00	1.5	1.5e	45e
19	---	---	---	3.0	2.7	.18	.04	.00	.00	.86	1.3e	32e
20	---	---	---	2.4	4.6	.07	.02	.00	.00	.88	1.1e	90e
21	---	---	---	2.8	8.1	.01	.68	.00	1.2	.91	1.0	150e
22	---	---	---	15	5.9	.06	.31	.00	.46	1.3	.76	300e
23	---	---	1.5	7.2	5.5	.02	.61	.00	.03	.43	1.3	100e
24	---	---	1.6	4.9	4.2	.05	.20	.00	.04	1.5	2.1	30e
25	---	---	2.0	4.0	4.9	.04	.14	1.7	.03	1.5	2.3	15e
26	---	---	2.0	3.5	3.9	.02	.60	1.5	.00	.81	4.5	12e
27	---	---	2.2	3.7	4.3	.00	.38	1.1	.00	1.7	6.2	38e
28	---	---	2.3	4.3	6.9	.00	.17	.00	.00	2.4	3.0	54e
29	---	---	2.2	5.0	3.8	.00	.09	.00	.00	2.3	.37	19e
30	---	---	2.2	4.1	3.1	.00	.05	.00	.00	2.6	.91	70e
31	---	---	2.2	---	3.0	---	.01	.00	---	2.7	---	40e

**Table 13. Daily mean discharge at Lytle Creek at Sanbyrn Drive at Murfreesboro
(continuous-record streamflow gage number 44 on map)
for 1990, 1991, and 1992--Continued**

[All values given in cubic feet per second; ---, no data; e, estimated]

DRAINAGE AREA--17.6 square miles

DAY	1991											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16e	13	39e	44	25	5.9	.73	.00	.03	.00	.00	372
2	13e	10	89e	30	17	5.7	1.5	.00	.01	.00	.00	477
3	11e	8.7	148e	24	13	5.5	2.3	.00	.00	.00	.00	750
4	10e	7.3	100e	18	29	25	3.0	.00	.00	.00	.00	250e
5	9.6e	6.1	45	17	87	87	2.2	.00	.00	.00	.00	70e
6	12e	4.6e	28	14	58	11	1.5	.00	.00	.00	.00	50e
7	39e	10e	24	11	34	7.3	1.1	.00	.00	.00	.00	35e
8	16e	9.0e	20	9.7	26	5.9	.91	.00	.22	.00	.00	30e
9	44	8.2e	16	9.8	110	4.9	2.3	.74	.52	.00	.00	600
10	80	8.1e	14	10	40	4.3	4.6	1.2	.35	.00	.00	408
11	171	7.6e	12	8.2	28	3.7	18	.33	.25	.00	.00	49
12	79	7.0e	9.4	11	65	3.6	6.9	.06	.24	.00	.00	33
13	57	23e	10	14	43	3.6	3.9	.02	.05	.00	.00	140
14	41	13e	9.9	35	26	11	3.1	.00	.01	.00	.00	160
15	35	11e	8.2	176	19	5.0	2.7	.00	.00	.00	.00	56
16	30	20e	6.1	47	15	3.5	2.1	.00	.00	.00	.00	37
17	25	14e	6.5	28	9.2	2.9	1.7	.00	.00	.00	.00	29
18	22	190e	15	22	7.7	2.4	1.6	.00	.00	.00	.00	22
19	19	176e	10	23	7.5	1.9	1.7	.00	.00	.00	.00	18
20	19	72e	7.3	19	35	1.6	1.8	.00	.00	.00	.24	15
21	21	100e	5.5	15	11	1.2	1.6	.00	.00	.00	.09	14
22	18	50e	21	12	9.6	5.2	1.1	.00	.00	.00	.90	13
23	15	32e	330	10	10	4.0	.68	.00	.00	.27	4.7	19
24	14	27e	50	8.8	9.3	3.2	.50	.00	1.2	.27	3.0	23
25	13	22e	27	7.9	8.6	2.7	.58	.00	1.9	.10	1.8	15
26	11	18e	19	6.3	11	2.3	.65	.00	1.2	.03	1.1	13
27	10	16e	17	6.2	12	2.3	.57	.00	.70	.02	.73	11
28	9.5	13e	22	12	9.7	2.0	.40	.00	.50	.01	.53	76
29	8.4	---	422	124	8.4	1.5	.31	.00	.35	.01	.47	78
30	9.8	---	180	58	7.9	1.1	.24	.00	.10	.01	3.8	39
31	19	---	71	---	7.2	---	.04	.14	---	.01	---	28

Table 13. Daily mean discharge at Lytle Creek at Sanbyrn Drive at Murfreesboro
(continuous-record streamflow gage number 44 on map)
for 1990, 1991, and 1992--Continued

[All values given in cubic feet per second; ---, no data; e, estimated]

DRAINAGE AREA--17.6 square miles

DAY	1992											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	22	6.9	25	16	2.3	.28e	10	---	---	---	---	---
2	62	6.4	21	14	2.0	.25e	57	---	---	---	---	---
3	281	6.1	18	12	1.8	2.0e	92	---	---	---	---	---
4	132	5.9	16	11	1.3	15e	52	---	---	---	---	---
5	69	5.7	14	9.9	.90	8.0e	45	---	---	---	---	---
6	47	5.4	12	8.9	.88	5.0e	84	---	---	---	---	---
7	34	5.2	11	8.9	.69	4.0e	29	---	---	---	---	---
8	30	4.9	9.0	9.2	.66	3.1e	20	---	---	---	---	---
9	62	4.5	8.7	8.6	.45e	3.2	---	---	---	---	---	---
10	44	4.4	226	8.3	.40e	3.1	---	---	---	---	---	---
11	29	4.1	61	7.7	.35e	2.8	---	---	---	---	---	---
12	25	4.1	38	7.2	.30e	5.0	---	---	---	---	---	---
13	24	4.3	30	6.5	5.5e	23	---	---	---	---	---	---
14	32	4.7	24	6.2	2.5e	10	---	---	---	---	---	---
15	22	5.7	20	5.9	1.0e	6.7	---	---	---	---	---	---
16	17	6.2	16	5.6	6.0e	5.5	---	---	---	---	---	---
17	15	5.8	15	5.4	.50e	4.6	---	---	---	---	---	---
18	15	5.7	24	5.0	.45e	4.9	---	---	---	---	---	---
19	14	5.7	38	4.8	.40e	37	---	---	---	---	---	---
20	13	5.3	29	5.0	1.5e	13	---	---	---	---	---	---
21	13	5.0	21	8.0	.50e	9.0	---	---	---	---	---	---
22	12	4.8	20	9.7	.40e	7.2	---	---	---	---	---	---
23	14	35	46	6.1	.30e	6.2	---	---	---	---	---	---
24	16	72	27	4.8	.25e	5.3	---	---	---	---	---	---
25	12	44	25	4.2	.23e	4.8	---	---	---	---	---	---
26	10	214	29	3.6	.22e	40	---	---	---	---	---	---
27	9.4	74	23	3.4	.20e	35	---	---	---	---	---	---
28	8.9	47	18	3.1	.20e	15	---	---	---	---	---	---
29	8.5	32	17	2.8	.60e	10	---	---	---	---	---	---
30	7.9	---	17	2.6	.40e	8.6	---	---	---	---	---	---
31	7.5	---	19	---	.30e	---	---	---	---	---	---	---

Table 14. Selected peak discharges and peak stage elevations at Double Springs Branch at Double Springs (partial-record streamflow gage number 1 on map), 1989-92

[Peak discharge is given in cubic feet per second; peak stage elevation is given in feet above sea level]

DRAINAGE AREA--0.95 square miles

Date	Time	Peak discharge	Peak stage elevation	Date	Time	Peak discharge	Peak stage elevation	Date	Time	Peak discharge	Peak stage elevation
04-04-89	0625	60	612.93	03-16-90	0505	36	612.63	05-05-91	1110	33	612.59
05-20-89	0700	51	612.83	11-10-90	0305	23	612.40	05-09-91	0035	31	612.54
05-27-89	0400	37	612.65	12-03-90	1030	83	613.18	05-12-91	1050	54	612.86
06-02-89	1420	92	613.28	12-18-90	1755	26	612.46	06-04-91	1935	21	612.36
06-08-89	2330	21	612.36	12-21-90	0110	133	613.78	12-01-91	1150	77	613.11
06-12-89	2200	93	613.29	12-22-90	0100	137	613.83	12-02-91	2115	165	614.21
06-15-89	1415	51	612.83	12-27-90	2210	51	612.83	12-09-91	1430	41	612.70
06-19-89	0355	93	613.29	12-30-90	1830	74	613.08	12-13-91	1500	37	612.65
07-01-89	1000	335	615.86	01-07-90	0705	24	612.43	01-02-92	2120	61	612.94
07-03-89	1720	24	612.42	01-10-91	1935	54	612.86	02-23-92	1730	48	612.79
07-05-89	1535	300	615.58	02-14-91	0015	22	612.38	02-25-92	2230	46	612.77
07-11-89	1500	30	612.53	02-17-91	1905	79	613.14	03-10-92	0355	83	613.18
09-22-89	2305	22	612.39	02-18-91	0930	113	613.53	06-03-92	1750	16	612.24
09-30-89	2315	81	613.16	02-19-91	0320	139	613.86	06-18-92	1835	13	612.16
10-01-89	1605	175	614.33	03-03-91	1145	34	612.60	06-26-92	1730	17	612.26
11-08-89	1150	23	612.41	03-22-91	2205	180	614.40	07-02-92	1030	26	612.46
12-31-89	0625	50	612.82	03-29-91	0340	78	613.12	07-03-92	0815	43	612.73
01-29-90	1045	30	612.53	04-15-91	0145	50	612.82				
02-03-90	0755	355	616.01	04-29-91	1130	32	612.57				
02-10-90	0535	39	612.67	05-04-91	1615	35	612.61				

Table 15. Selected peak discharges and peak stage elevations at Bear Branch at Murfreesboro (partial-record streamflow gage number 31 on map), 1989-92

[Peak discharge is given in cubic feet per second; peak stage elevation is given in feet above sea level]

DRAINAGE AREA--0.59 square miles

Date	Time	Peak discharge	Peak stage elevation	Date	Time	Peak discharge	Peak stage elevation	Date	Time	Peak discharge	Peak stage elevation
05-20-89	0530	27	595.29	02-10-90	0400	26	595.26	09-08-91	2000	30	595.33
05-27-89	0220	56	595.66	07-21-90	1930	58	595.68	09-24-91	0610	26	595.27
06-02-89	1310	106	596.14	09-07-90	2400	22	595.20	11-30-91	1435	29	595.31
06-12-89	2030	94	596.04	12-03-90	1000	34	595.38	12-01-91	1030	42	595.48
06-14-89	1500	53	595.62	12-21-90	0100	27	595.29	12-02-91	2030	79	595.90
06-15-89	1320	21	595.19	12-22-90	0020	52	595.61	12-13-91	0715	26	595.27
06-19-89	0245	40	595.46	12-30-90	1455	22	595.21	01-02-92	2000	26	595.27
07-01-89	1045	87	595.98	02-18-91	1000	35	595.40	03-10-92	0230	33	595.37
07-11-89	1325	91	596.01	02-19-91	0340	50	595.58	06-03-92	1550	34	595.38
09-15-89	1025	43	595.49	03-22-91	2055	59	595.69	06-18-92	1650	135	596.39
09-22-89	2210	35	595.40	03-29-91	0215	22	595.20	07-02-92	0755	77	595.88
09-30-89	2110	63	595.74	04-14-91	2320	29	595.31	07-03-92	0555	43	595.49
10-01-89	1550	186	596.74	04-29-91	0830	43	595.50				
10-17-89	0430	21	595.19	06-04-91	1715	28	595.30				
02-03-90	0940	195	596.80	07-10-91	1635	42	595.48				

Table 16. Selected peak discharges and peak stage elevations at Bear Branch near Lascassas (partial-record streamflow gage number 34 on map), 1989-92

[Peak discharge is given in cubic feet per second; peak stage elevation is given in feet above sea level]

DRAINAGE AREA--2.48 square miles

Date	Time	Peak discharge	Peak stage elevation	Date	Time	Peak discharge	Peak stage elevation	Date	Time	Peak discharge	Peak stage elevation
04-04-89	0645	32	539.91	01-29-90	1015	22	539.77	04-15-91	0225	39	539.98
05-20-89	0500	62	540.23	02-03-90	0950	871	542.80	04-29-91	1135	49	540.08
05-27-89	0610	41	540.00	02-10-90	0510	48	540.07	11-30-91	1905	24	539.81
06-02-89	1230	388	541.16	03-16-90	0615	24	539.80	12-01-91	1225	78	540.39
06-04-89	1515	42	540.01	03-17-90	0300	23	539.79	12-02-91	2050	312	540.96
06-12-89	2350	100	540.56	05-20-90	1335	36	539.95	12-09-91	1420	42	540.01
06-14-89	1855	57	540.17	07-21-90	1920	27	539.85	12-13-91	1645	49	540.08
06-15-89	1605	57	540.17	12-03-90	1125	67	540.29	12-28-91	1210	21	539.74
06-19-89	2240	76	540.37	12-18-90	1830	24	539.80	01-02-92	2155	66	540.28
06-30-89	1640	100	540.56	12-20-90	2340	66	540.28	02-25-92	2220	40	539.99
07-01-89	0830	381	541.14	12-22-90	0110	126	540.65	03-10-92	0325	66	540.28
07-03-89	1810	31	539.90	12-27-90	2215	40	539.99	06-18-92	1945	321	540.98
07-05-89	1540	73	540.35	12-30-90	1855	58	540.18	07-02-92	1200	106	540.59
07-11-89	1415	149	540.70	01-07-91	1900	21	539.73	07-03-92	0955	84	540.45
08-01-89	1810	23	539.78	01-10-91	1950	45	540.04				
09-22-89	2155	42	540.01	02-18-91	1135	76	540.37				
09-30-89	2325	117	540.63	02-19-91	0435	102	540.57				
10-01-89	1825	335	541.01	03-03-91	1325	25	539.82				
10-17-89	0525	27	539.85	03-22-91	2220	80	540.41				
12-31-89	0730	30	539.89	03-29-91	0630	52	540.11				

Table 17. Selected peak discharges and peak stage elevations at Sinking Creek near Murfreesboro (partial-record streamflow gage number 62 on map), 1990-92

[Peak discharge is given in cubic feet per second; peak stage elevation is given in feet above sea level]

DRAINAGE AREA--2.27 square miles

Date	Time	Peak discharge	Peak stage elevation	Date	Time	Peak discharge	Peak stage elevation	Date	Time	Peak discharge	Peak stage elevation
03-16-90	0440	23	588.89	01-07-91	0630	25	588.92	12-01-91	1150	93	589.46
05-17-90	0630	22	588.88	01-10-91	1900	88	589.42	12-02-91	2240	170	589.96
05-20-90	1555	57	589.14	02-17-91	2010	72	589.26	12-09-91	1110	55	589.13
06-03-90	0535	23	588.89	02-18-91	1110	135	589.74	12-13-91	0915	79	589.33
06-18-90	1245	22	588.88	02-19-91	0555	183	590.03	01-02-92	2105	72	589.26
07-11-90	2130	34	589.01	03-03-91	1225	43	589.07	02-23-92	1145	34	589.01
07-12-90	1120	55	589.13	03-22-91	2315	188	590.06	02-25-92	2215	50	588.87
07-21-90	2120	167	589.94	03-29-91	0410	133	589.73	03-10-92	0340	132	589.72
09-08-90	0305	82	589.36	04-15-91	0150	101	589.52	05-13-92	0045	81	589.35
09-21-90	2025	48	589.10	04-28-91	1535	34	589.01	06-03-92	1750	102	589.53
10-04-90	0940	62	589.16	04-29-91	1050	118	589.63	06-12-92	1735	16	588.78
11-09-90	1440	53	589.12	05-09-91	0025	62	589.16	06-18-92	1840	170	589.96
11-28-90	0835	31	588.99	05-12-91	1105	68	589.22	06-26-92	1120	31	588.99
12-03-90	0900	141	589.78	05-26-91	0720	37	589.03	07-02-92	1015	112	589.59
12-18-90	1450	24	588.91	06-04-91	1920	160	589.90	07-03-92	0830	113	589.60
12-20-90	2155	94	589.47	07-04-91	1215	35	589.02	07-15-92	1120	13	588.71
12-22-90	0215	172	589.97	07-10-91	1855	112	589.59	07-21-92	2040	16	588.78
12-27-90	2105	71	589.25	09-08-91	2325	43	589.07	07-25-92	1940	19	588.84
12-30-90	1835	110	589.58	09-24-91	0940	57	589.14				
12-31-90	0005	26	588.94	11-30-91	1720	78	588.97				

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
2	07-18-89	612.71	--	--	Gage datum 611.80
	02-07-90	613.08	--	--	
3	07-18-89	--	--	609.07	Gage datum 606.40
	10-13-89	--	--	608.20	
	01-08-90	--	--	606.71	
	02-07-90	--	--	609.96	
	03-06-90	--	--	606.44	
	01-09-91	--	--	608.02	
	03-04-91	--	--	608.02	
	05-02-91	--	--	608.20	
	12-12-91	--	--	608.10	
	02-11-92	--	--	606.64	
	04-14-92	--	--	607.17	
4	06-01-89	--	--	598.54	Gage datum 596.86
	06-14-89	--	--	601.94	
	07-17-89	--	--	607.40e	
	10-13-89	--	--	605.50e	
	11-16-89	--	--	598.00	
	01-09-90	--	--	600.26	
	02-07-90	--	--	609.81	
	03-06-90	--	--	600.34	
	04-19-90	--	--	598.90	
	01-09-91	--	--	606.90e	
	03-04-91	--	--	608.05	
	05-02-91	--	--	605.90e	
	09-11-91	--	--	598.47	
	12-12-91	--	--	607.40e	
	02-11-92	--	--	601.26	
	03-04-92	--	--	599.96	
	04-14-92	--	--	601.79	
5	07-03-89	--	--	644.92	Gage datum 641.02
	10-12-89	--	--	642.74	
	02-07-90	--	--	652.22	
	01-09-91	--	--	644.56	
	03-04-91	--	--	646.46	
	05-03-91	--	--	645.99	
	12-17-91	--	--	647.27	
	04-13-92	--	--	643.48	
	07-08-92	--	--	644.85	
6	07-03-89	--	--	639.40	Gage datum 625.93
	10-12-89	--	--	638.72	
	01-02-90	--	--	628.94	
	02-07-90	--	--	646.65	
	03-07-90	--	--	627.22	
	04-09-90	--	--	626.63	
	01-09-91	--	--	633.70	
	03-04-91	--	--	640.73	
	09-12-91	--	--	629.65	
	12-12-91	--	--	640.76	
	01-31-92	--	--	628.13	
	03-04-92	--	--	628.20	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
7	06-01-89	--	--	643.94	Gage datum 640.40
	07-03-89	--	--	643.66	
	07-18-89	--	--	642.29	
	08-21-89	--	--	643.41	
	10-12-89	--	--	642.54	
	11-14-89	--	--	641.61	
	01-02-90	--	--	642.24	
	02-07-90	--	--	650.15	
	03-07-90	--	--	641.26	
	04-09-90	--	--	641.48	
	05-15-90	--	--	641.68	
	06-21-90	--	--	641.40	
	07-24-90	--	--	642.11	
	09-12-90	--	--	642.73	
	10-26-90	--	--	646.01	
	01-09-91	--	--	645.91	
	03-04-91	--	--	646.91	
	05-03-91	--	--	645.45	
	09-11-91	--	--	643.50	
	10-17-91	--	--	641.54	
	12-12-91	--	--	645.97	
	02-11-92	--	--	642.72	
	03-04-92	--	--	642.22	
	04-13-92	--	--	643.28	
	06-03-92	--	--	642.15	
	07-08-92	--	--	643.57	
8	07-03-89	--	--	636.11	Gage datum 633.70. Gage destroyed March 1991 and reinstalled October 1991.
	10-12-89	--	--	636.03	
	02-07-90	--	--	637.17	
	01-09-91	--	--	637.09	
	12-12-91	--	--	638.43	
9	06-01-89	--	--	625.56	Gage datum 624.25
	07-03-89	--	--	637.29	
	10-12-89	--	--	636.86	
	01-02-90	--	--	627.50	
	02-07-90	--	--	643.73	
	03-07-90	--	--	625.91	
	04-09-90	--	--	625.34	
	01-09-91	--	--	637.39	
	03-04-91	--	--	639.25	
	05-03-91	--	--	636.11	
	09-11-91	--	--	632.20e	
	12-12-91	--	--	638.61	
	02-11-92	--	--	629.59	
	03-04-92	--	--	627.01	
	04-13-92	--	--	629.99	
	07-08-92	--	--	628.81	
10	06-01-89	--	--	617.87	Gage datum 600.93
	06-14-89	--	--	621.10e	
	06-29-89	--	--	622.00e	
	07-05-89	--	--	628.43	
	07-18-89	--	--	623.00e	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
10	08-21-89	--	--	606.75	
	10-12-89	--	--	628.66	
	11-14-89	--	--	617.53	
	01-09-90	--	--	621.01	
	02-07-90	--	--	635.25	
	03-07-90	--	--	620.61	
	04-10-90	--	--	620.38	
	05-17-90	--	--	602.52	
	06-21-90	--	--	605.11	
	07-24-90	--	--	605.11	
	01-09-91	--	--	630.00e	
	03-04-91	--	--	632.50e	
	05-02-91	--	--	624.00e	
	09-11-91	--	--	618.84	
	12-17-91	--	--	630.00e	
	02-11-92	--	--	623.40	
	03-03-92	--	--	621.22	
	04-14-92	--	--	623.48	
	07-08-92	--	--	621.00e	
11	06-01-89	--	--	607.31	Gage datum 603.00
	06-14-89	--	--	611.80e	
	06-26-89	--	--	611.80e	
	07-05-89	--	--	616.80	
	07-18-89	--	--	616.80	
	10-12-89	--	--	618.22	
	11-14-89	--	--	609.07	
	01-09-90	--	--	611.80e	
	02-07-90	--	--	623.83	
	03-07-90	--	--	610.87	
	04-10-90	--	--	610.44	
	01-09-91	--	--	618.43	
	03-04-91	--	--	620.32	
	05-02-91	--	--	618.22	
	09-11-91	--	--	609.93	
	12-17-91	--	--	619.92	
	02-11-92	--	--	612.80e	
	03-03-92	--	--	614.00e	
	04-14-92	--	--	612.00e	
	07-08-92	--	--	613.00e	
12	06-01-89	601.85	600.80	--	Upstream gage datum 598.93. Downstream gage datum 600.59.
	06-14-89	603.16	602.75	--	
	06-26-89	603.29	602.93	--	
	07-18-89	611.00e	611.00e	--	
	08-22-89	601.00	(a)	--	
	10-12-89	609.41	609.41	--	
	01-09-90	602.98	602.37	--	
	02-07-90	614.50	614.50	--	
	03-07-90	602.59	601.70	--	
	04-10-90	602.19	601.08	--	
	01-09-91	608.92	608.92	--	
	03-04-91	610.15	610.15	--	
	05-02-91	606.83	606.83	--	
	12-16-91	610.38	610.38	--	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
12	02-11-92	603.68	603.43	--	
	03-03-92	602.85	602.05	--	
	04-14-92	603.76	603.55	--	
	07-08-92	602.30e	601.39	--	
13	02-07-90	--	--	617.92	Gage datum 617.27
	03-06-90	--	--	617.32	
	01-08-91	--	--	617.60	
	02-28-91	--	--	617.83	
14	06-01-89	--	--	599.58	Gage datum 597.72
	07-19-89	--	--	602.32	
	10-13-89	--	--	601.87	
	01-09-90	--	--	599.43	
	02-05-90	--	--	602.88	
	03-01-90	--	--	602.60	
	01-08-91	--	--	602.00e	
	02-28-91	--	--	602.49	
	05-03-91	--	--	601.72	
	02-11-92	--	--	602.16	
	03-03-92	--	--	600.43	
	04-13-92	--	--	599.68	
	07-15-92	--	--	602.00e	
15	04-06-89	(a)	600.29	--	Upstream gage datum 600.21. Downstream gage datum 600.05.
	06-01-89	600.83	600.80	--	
	06-14-89	600.83	600.67	--	
	07-03-89	601.85	601.41	--	
	07-13-89	600.76	600.76	--	
	08-18-89	(a)	600.46	--	
	10-12-89	601.48	601.28	--	
	11-14-89	(a)	600.63	--	
	12-07-89	(a)	600.25	--	
	01-02-90	(a)	600.29	--	
	02-07-90	601.70	601.19	--	
	03-01-90	600.37	600.36	--	
	05-16-90	(a)	600.31	--	
	06-20-90	(a)	600.40	--	
	07-23-90	600.55	600.78	--	
	09-11-90	(a)	600.55	--	
	10-29-90	(a)	600.59	--	
	01-08-91	601.32	600.72	--	
	02-28-91	601.37	600.77	--	
	05-03-91	(a)	600.55	--	
	10-10-91	(a)	600.82	--	
	12-11-91	601.42	600.76	--	
	02-11-92	600.48	600.43	--	
	03-03-92	600.26	600.24	--	
	04-13-92	600.63	600.38	--	
	05-08-92	(a)	600.12	--	
	06-02-92	(a)	600.54	--	
	07-09-92	601.41	600.78	--	
16	06-01-89	--	--	593.10	Gage datum 590.30
	06-14-89	--	--	596.00e	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
16	07-17-89	--	--	600.97	
	08-21-89	--	--	591.93	
	10-12-89	--	--	598.35	
	11-14-89	--	--	592.47	
	01-09-90	--	--	594.09	
	02-05-90	--	--	601.01	
	03-06-90	--	--	595.00e	
	04-10-90	--	--	593.05	
	05-16-90	--	--	590.85	
	01-08-91	--	--	598.02	
	02-28-91	--	--	598.60	
	05-02-91	--	--	597.52	
	12-12-91	--	--	598.81	
	02-11-92	--	--	596.50e	
	03-03-92	--	--	593.59	
	04-13-92	--	--	595.50e	
17	10-12-89	--	--	598.13	Gage datum 592.25
	11-14-89	--	--	592.39	
	01-09-90	--	--	593.97	
	02-05-90	--	--	599.48	
	03-06-90	--	--	593.70	
	04-10-90	--	--	592.96	
	01-08-91	--	--	594.70	
	02-28-91	--	--	598.30e	
	05-02-91	--	--	597.30	
	09-10-91	--	--	592.64	
	12-12-91	--	--	598.70e	
	02-11-92	--	--	594.42	
	03-03-92	--	--	593.45	
	04-13-92	--	--	594.60	
	07-06-92	--	--	594.73	
18	06-01-89	--	--	591.92	Gage datum 591.45
	06-14-89	--	--	592.40	
	07-17-89	--	--	598.36	
	10-12-89	--	--	594.18	
	01-09-90	--	--	592.13	
	02-05-90	--	--	598.11	
	03-06-90	--	--	591.97	
	04-10-90	--	--	591.66	
	01-09-91	--	--	593.65	
	02-28-91	--	--	593.87	
	05-02-91	--	--	595.61	
	12-12-91	--	--	595.50	
	02-11-92	--	--	592.18	
	03-03-92	--	--	591.74	
	04-13-92	--	--	592.29	
	07-06-92	--	--	596.20	
19	06-14-89	590.99	587.84	--	Upstream gage datum 590.87. Downstream gage datum 584.83.
	07-17-89	592.54	591.10	--	
	08-22-89	(a)	586.40	--	
	10-12-89	591.64	589.25	--	
	11-13-89	(a)	586.72	--	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
19	01-09-90	590.91	587.60	--	
	02-05-90	592.29	(a)	--	
	03-06-90	(a)	590.78	--	
	04-10-90	(a)	586.95	--	
	05-16-90	(a)	585.82	--	
	07-23-90	(a)	585.81	--	
	10-29-90	(a)	585.35	--	
	01-09-91	591.51	588.87	--	
	02-28-91	591.58	589.12	--	
	05-02-91	591.59	589.19	--	
	09-10-91	(a)	586.78	--	
	12-12-91	591.80	589.51	--	
	02-11-92	591.10	587.69	--	
	03-03-92	(a)	587.29	--	
	04-13-92	591.15	587.83	--	
	07-06-92	591.48	(a)	--	
	07-15-92	(a)	589.00	--	
20	01-14-91	581.28	--	--	Gage datum 578.71
	02-28-91	581.90	--	--	
	05-01-91	581.02	--	--	
	09-04-91	580.07	--	--	
	12-12-91	582.50	--	--	
	02-11-92	580.88	--	--	
	03-03-92	580.57	--	--	
	04-13-92	580.95	--	--	
21	07-03-89	594.69	594.69	--	Upstream gage datum 593.02. Downstream gage datum 593.04. Gages destroyed October 1991. Subsequent peak stage elevations determined from high water marks in culvert barrel.
	07-20-89	593.98	593.98	--	
	09-19-89	593.29	593.28	--	
	10-13-89	594.41	594.41	--	
	11-16-89	593.32	593.33	--	
	01-08-90	593.28	593.29	--	
	02-07-90	594.77	594.78	--	
	03-06-90	593.42	593.42	--	
	04-10-90	(a)	593.09	--	
	07-23-90	593.58	593.59	--	
	01-08-91	594.08	594.08	--	
	02-28-91	594.08	594.08	--	
	09-10-91	594.11	594.12	--	
	12-15-91	589.80	589.80	--	
	02-26-92	589.05	589.05	--	
22	06-01-89	--	585.85	--	Gage datum 585.10. Gage destroyed February 1991. Subsequent peak stage elevations determined from high water marks in culvert barrel.
	06-14-89	--	586.58	--	
	06-27-89	--	586.19	--	
	10-13-89	--	587.16	--	
	11-13-89	--	585.30	--	
	01-08-90	--	585.44	--	
	03-01-90	--	587.36	--	
	04-09-90	--	585.53	--	
	01-08-91	--	586.23	--	
	12-15-91	--	581.83	--	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
22	02-26-92	--	581.08	--	
23	06-14-89	585.70	585.51	--	Upstream gage datum 585.22.
	06-27-89	585.46	(a)	--	Downstream gage datum 585.40.
	07-11-89	586.56	586.00e	--	Gage destroyed March 1991.
	08-18-89	585.61	585.42	--	Subsequent peak stage elevations
	10-13-89	586.16	585.89	--	determined from high water marks
	02-05-90	586.57	586.06	--	in culvert barrel.
	01-08-91	585.82	585.66	--	
	02-28-91	585.86	585.64	--	
	12-15-91	581.50	581.50	--	
	02-26-92	580.83	580.83	--	
24	02-05-91	574.46	--	--	Gage datum 573.67
	03-04-91	574.77	--	--	
	12-10-91	574.87	--	--	
	04-09-92	573.79	--	--	
25	01-08-91	551.97	--	--	Gage datum 550.44
	02-28-91	552.14	--	--	
	05-01-91	551.93	--	--	
	12-12-91	552.27	--	--	
	02-10-92	551.15	--	--	
	03-03-92	550.77	--	--	
	04-13-92	551.18	--	--	
	07-06-92	551.92	--	--	
26	01-08-91	536.29	--	--	Gage datum 534.99
	02-28-91	536.55	--	--	
	05-01-91	536.08	--	--	
	12-12-91	536.94	--	--	
	02-10-92	535.35	--	--	
	04-13-92	535.35	--	--	
27	01-08-91	--	--	584.49	Gage datum 574.55
	02-28-91	--	--	584.48	
	05-01-91	--	--	581.56	
	09-10-91	--	--	574.87	
	12-12-91	--	--	583.07	
	02-10-92	--	--	582.08	
	03-03-92	--	--	576.92	
	04-13-92	--	--	577.29	
	07-15-92	--	--	577.67	
28	03-06-89	--	--	584.00e	Gage datum 575.21
	07-07-89	--	--	580.00e	
	02-03-90	--	--	581.00e	
	01-08-91	--	--	578.50e	
	05-01-91	--	--	580.95	
	02-10-92	--	--	579.16	
29	02-03-90	580.00	--	--	Gage datum 578.52
	01-08-91	579.85	--	--	
	02-28-91	579.74	--	--	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
30	(a)	(a)	--	--	Gage datum 543.44
32	07-12-89	574.52	(a)	--	Upstream gage datum 574.42.
	10-13-89	576.08	573.26	--	Downstream gage datum 573.11.
	02-05-90	578.09	573.21	--	
	02-28-91	574.49	(a)	--	
33	03-17-89	565.20	560.70	--	Upstream gage datum 560.80.
	06-14-89	561.08	(a)	--	Downstream gage datum 560.34.
	07-12-89	562.17	(a)	--	
	10-13-89	564.85	(a)	--	
	02-05-90	565.30	560.87	--	
	01-08-91	561.72	(a)	--	
	02-28-91	562.15	(a)	--	
	05-01-91	561.35	(a)	--	
	12-12-91	561.33	(a)	--	
	07-06-92	562.14	(a)	--	
39	01-10-91	--	639.11	--	Gage datum 636.93
	03-01-91	--	639.00	--	
	05-03-91	--	638.63	--	
	09-12-91	--	637.49	--	
	12-11-91	--	640.05	--	
	02-12-92	--	637.84	--	
	03-05-92	--	637.04	--	
	04-14-92	--	638.13	--	
	07-08-92	--	636.98	--	
40	01-10-91	--	614.38	--	Gage datum 609.45
	03-01-91	--	614.35	--	
	05-03-91	--	613.96	--	
	09-12-91	--	612.07	--	
	12-11-91	--	614.80	--	
	02-12-92	--	613.12	--	
	03-05-92	--	612.26	--	
	04-14-92	--	613.39	--	
	06-02-92	--	613.38	--	
	07-08-92	--	611.48	--	
41	01-10-91	--	609.08	--	Gage datum 604.79
	03-01-91	--	609.19	--	
	05-03-91	--	608.64	--	
	09-12-91	--	606.89	--	
	12-12-91	--	609.25	--	
	02-12-92	--	607.98	--	
	03-05-92	--	607.43	--	
	04-14-92	--	608.12	--	
	06-02-92	--	608.14	--	
	07-08-92	--	606.74	--	
42	01-10-91	--	604.63	--	Gage datum 600.83
	03-01-91	--	604.75	--	
	05-03-91	--	604.15	--	
	09-12-91	--	601.51	--	
	12-12-91	--	605.07	--	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
42	02-12-92	--	603.05	--	
	03-05-92	--	601.32	--	
	04-14-92	--	603.24	--	
	06-02-92	--	603.33	--	
	07-08-92	--	601.87	--	
43	01-10-91	--	598.48	--	Gage datum 595.55
	03-01-91	--	598.68	--	
	05-03-91	--	597.97	--	
	09-12-91	--	595.88	--	
	12-12-91	--	598.51	--	
	02-12-92	--	596.96	--	
	03-05-92	--	596.54	--	
	04-14-92	--	597.07	--	
	07-08-92	--	596.10	--	
44	12-12-90	590.86	(a)	--	Upstream gage datum 589.63. Downstream gage datum 591.90.
	02-05-91	593.06	592.62	--	
	03-04-91	593.27	592.87	--	
	04-22-91	592.05	(a)	--	
	06-05-91	590.42	(a)	--	
	12-10-91	593.35	592.87	--	
	03-04-92	590.42	(a)	--	
	04-08-92	591.15	(a)	--	
45	01-10-91	588.31	--	--	Gage datum 585.32
	03-01-91	588.75	--	--	
	05-09-91	587.15	--	--	
	09-12-91	585.61	--	--	
	12-12-91	588.53	--	--	
	02-12-92	585.86	--	--	
	03-04-92	585.45	--	--	
	04-14-92	586.04	--	--	
46	01-10-91	--	587.76	--	Gage datum 583.57
	03-01-91	--	588.26	--	
	09-12-91	--	586.63	--	
	12-02-91	--	585.69	--	
	12-12-91	--	587.97	--	
	02-12-92	--	585.20	--	
	03-04-92	--	584.69	--	
	04-14-92	--	585.40	--	
47	01-10-91	--	581.79	--	Gage datum 580.98
	03-01-91	--	581.94	--	
	05-09-91	--	581.30	--	
	12-12-91	--	581.72	--	
48	01-10-91	--	579.00	--	Gage datum 577.94
	03-01-91	--	579.23	--	
	12-12-91	--	579.11	--	
49	01-10-91	--	--	609.27	Gage datum 607.49
	03-01-91	--	--	609.50	
	05-03-91	--	--	607.74	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
49	12-12-91	--	--	608.55	
	02-10-92	--	--	608.20e	
	03-05-92	--	--	608.11	
	04-14-92	--	--	607.77	
50	01-10-91	--	--	604.53	Gage datum 591.83
	03-01-91	--	--	604.95	
	05-01-91	--	--	599.80e	
	09-12-91	--	--	593.83	
	12-12-91	--	--	602.05	
	02-11-92	--	--	597.80e	
	03-05-92	--	--	595.80e	
	04-14-92	--	--	593.70e	
	06-03-92	--	--	592.70	
	07-15-92	--	--	592.85	
51	01-10-91	--	--	597.66	Gage datum 586.56
	03-01-91	--	--	598.28	
	05-02-91	--	--	591.60e	
	12-12-91	--	--	588.77	
	02-12-92	--	--	588.30	
52	01-10-91	575.72	575.23	--	Upstream gage datum 571.92. Downstream gage datum 573.17.
	03-01-91	576.10	575.61	--	
	05-09-91	573.08	(a)	--	
	08-23-91	574.75	574.44	--	
	10-10-91	572.17	(a)	--	
	12-02-91	573.85	573.55	--	
	12-12-91	575.93	575.42	--	
	02-12-92	573.44	(a)	--	
	03-04-92	573.10	(a)	--	
	04-14-92	573.70	573.37	--	
	07-08-92	572.41	(a)	--	
53	01-10-91	--	573.40	--	Gage datum 570.59
	03-01-91	--	573.86	--	
	05-09-91	--	572.41	--	
	08-29-91	--	570.78	--	
	12-02-91	--	571.62	--	
	12-12-91	--	573.59	--	
	02-12-92	--	571.12	--	
	03-04-92	--	570.89	--	
	04-14-92	--	571.38	--	
54	01-10-91	571.12	--	--	Gage datum 568.80
	03-01-91	571.41	--	--	
	05-09-91	569.91	--	--	
	12-02-91	568.98	--	--	
	12-12-91	571.13	--	--	
55	01-10-91	--	569.81	--	Gage datum 567.51
	03-01-91	--	570.13	--	
	05-09-91	--	568.84	--	
	12-02-91	--	568.01	--	
	12-12-91	--	569.63	--	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
55	02-12-92	--	567.74	--	
	04-14-92	--	567.89	--	
56	11-14-90	--	605.07	--	Gage datum 604.32
	01-10-91	--	605.42	--	
	03-01-91	--	605.71	--	
	08-13-91	--	605.99	--	
	09-12-91	--	605.42	--	
	10-17-91	--	605.49	--	
	12-12-91	--	605.36	--	
	02-10-92	--	604.72	--	
	03-05-92	--	604.49	--	
	04-13-92	--	604.75	--	
	06-03-92	--	605.21	--	
	07-06-92	--	605.48	--	
	07-29-92	--	604.74	--	
57	11-14-90	--	602.90	--	Gage datum 602.60
	01-10-91	--	604.01	--	
	03-01-91	--	604.31	--	
	05-09-91	--	604.46	--	
	08-15-91	--	603.56	--	
	09-12-91	--	603.03	--	
	10-17-91	--	603.38	--	
	12-12-91	--	603.99	--	
	02-10-92	--	603.41	--	
	03-05-92	--	603.10	--	
	04-14-92	--	603.32	--	
	06-03-92	--	603.90	--	
	07-06-92	--	603.81	--	
	07-29-92	--	603.31	--	
58	11-14-90	--	600.00e	--	Gage datum 599.35. Gage destroyed May 1991 and reinstalled October 1991.
	01-10-91	--	600.60e	--	
	03-01-91	--	600.80e	--	
	12-12-91	--	600.53	--	
	02-10-92	--	600.10	--	
	03-04-92	--	599.84	--	
	04-14-92	--	600.10	--	
	06-03-92	--	600.44	--	
	07-06-92	--	599.90	--	
	07-29-92	--	600.48	--	
59	11-14-90	--	595.51	--	Gage datum 594.50
	01-10-91	--	597.26	--	
	03-01-91	--	597.50e	--	
	05-09-91	--	596.10e	--	
	09-12-91	--	597.63	--	
	10-17-91	--	596.45	--	
	12-12-91	--	597.46	--	
	02-10-92	--	596.42	--	
	03-04-92	--	595.80	--	
	04-14-92	--	596.54	--	
	07-06-92	--	597.80	--	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
59	07-29-92	--	595.66	--	
60	11-14-90	594.23	594.05	--	Upstream gage datum 593.31. Downstream gage datum 593.59.
	01-10-91	595.68	594.96	--	
	03-04-91	595.73	594.98	--	
	05-09-91	594.75	594.00e	--	
	09-12-91	595.92	(a)	--	
	10-10-91	(a)	594.85	--	
	10-17-91	594.64	(a)	--	
	12-12-91	595.83	594.93	--	
	02-10-92	595.08	594.34	--	
	03-04-92	594.60	593.86	--	
	04-15-92	595.21	594.45	--	
	06-03-92	594.40	594.24	--	
	07-06-92	595.80	594.81	--	
	07-29-92	594.04	(a)	--	
61	11-14-90	592.59	592.58	--	Upstream gage datum 592.37. Downstream gage datum 591.69.
	01-10-91	593.84	593.80	--	
	03-04-91	594.07	593.95	--	
	05-09-91	594.18	(a)	--	
	09-12-91	592.67	594.04	--	
	10-17-91	592.63	592.61	--	
	12-12-91	593.73	594.65	--	
	02-10-92	592.86	592.82	--	
	03-04-92	592.57	592.55	--	
	04-15-92	593.22	593.18	--	
	06-03-92	592.88	592.86	--	
	07-08-92	593.84	593.76	--	
	07-29-92	(a)	592.33	--	
63	(a)	--	(a)	--	Gage datum 588.62
64	11-14-90	--	578.59	--	Gage datum 578.39
	01-10-91	--	579.31	--	
	03-04-91	--	579.44	--	
	05-09-91	--	579.65	--	
	08-19-91	--	579.47	--	
	10-10-91	--	579.64	--	
	12-12-91	--	579.44	--	
	02-10-92	--	578.58	--	
	03-04-92	--	578.41	--	
	04-15-92	--	579.09	--	
	06-03-92	--	579.10	--	
	07-08-92	--	580.52	--	
	07-29-92	--	579.31	--	
65	11-14-90	--	564.64	--	Gage datum 563.83
	01-10-91	--	565.91	--	
	03-04-91	--	566.00	--	
	05-09-91	--	566.28	--	
	09-12-91	--	565.62	--	
	10-17-91	--	564.32	--	
	12-12-91	--	566.20	--	
	02-10-92	--	564.92	--	

**Table 18. Peak stage elevations at crest stage gages
in the Murfreesboro gaging network, 1989-92--Continued**

[All elevations given in feet above sea level; upstream and downstream gage identifies relative location at stations where two gages are present or where a single gage requires reference to a bridge or culvert; other gage identifies a single gage not requiring reference to a bridge or culvert; gage datum is the lowest elevation the gage can record; (a), no peak above gage datum; --, no data; e, estimated]

Gage number on map	Date of gage inspection	Peak stage elevation			Remarks
		Upstream gage	Downstream gage	Other gage	
65	03-04-92	--	564.54	--	
	04-15-92	--	565.42	--	
	06-03-92	--	564.85	--	
	07-08-92	--	566.96	--	
	07-29-92	--	564.99	--	
66	01-10-91	--	549.38	--	Gage datum 548.35
	03-04-91	--	549.50	--	
	05-09-91	--	549.55	--	
	09-12-91	--	549.15	--	
	12-12-91	--	549.63	--	
	02-10-92	--	548.64	--	
	04-15-92	--	549.05	--	
	06-03-92	--	548.51	--	
	07-08-92	--	550.01	--	
	07-29-92	--	548.56	--	
67	01-08-91	--	554.69	--	Gage datum 552.67
	02-28-91	--	554.67	--	
	09-10-91	--	554.54	--	
	12-12-91	--	554.95	--	
	02-10-92	--	554.20	--	
	03-03-92	--	553.94	--	
	04-13-92	--	554.32	--	
	06-02-92	--	553.40	--	
	07-15-92	--	553.74	--	
68	01-08-91	(a)	552.01	--	Upstream gage datum 553.21. Downstream gage datum 550.94.
	02-28-91	554.32	552.83	--	
	05-01-91	(a)	553.07	--	
	12-12-91	(a)	552.46	--	
	02-10-92	(a)	553.02	--	

Appendix

Location of gages

Appendix

[Lat, latitude; long, longitude; °, degrees; ', minutes; ", seconds]

Gage number on map	Station name	Location of gages
1	Double Springs Branch at Double Springs.	Lat 35°50'07", long 86°20'13". Rain gage and streamflow gage located at right bank 30 feet upstream of culvert on Double Springs Road, 400 feet south of U.S. Highway 70S.
2	Double Springs Branch at Murfreesboro.	Lat 35°50'12", long 86°20'16". Crest stage gage located at left bank 20 feet upstream of culvert on U.S. Highway 70S.
3	Double Springs Branch near Double Springs.	Lat 35°50'25", long 86°20'25". Crest stage gage located at right bank approximately 1,200 feet downstream of culvert on U.S. Highway 70S.
4	Double Springs Branch near Murfreesboro.	Lat 35°50'49", long 86°20'30". Crest stage gage located at cave entrance approximately 4,000 feet downstream of culvert on U.S. Highway 70S.
5	Mayors sinkhole near Double Springs.	Lat 35°49'42", long 86°18'23". Crest stage gage located at sinkhole 200 feet west of Mt. Herman Road, 1,200 feet south of old U.S. Highway 70S, and 300 feet south of new U.S. Highway 70S centerline.
6	Mayors cave near Double Springs	Lat 35°49'41", long 86°18'41". Crest stage gage located at sinkhole 900 feet east of Murfreesboro Street, 1,200 feet south of old U.S. Highway 70S, and 150 feet south of new U.S. Highway 70S centerline.
7	Heatcraft sinkhole near Double Springs.	Lat 35°49'39", long 86°18'53". Crest stage gage located at sinkhole 250 feet east of Murfreesboro Street, 2,000 feet south of old U.S. Highway 70S, and 1,000 feet south of new U.S. Highway 70S centerline.
8	Bogle sinkhole near Double Springs.	Lat 35°49'50", long 86°18'51". Crest stage gage located at sinkhole 300 feet east of Murfreesboro Street, 900 feet south of old U.S. Highway 70S, and 100 feet north of new U.S. Highway 70S centerline.
9	Davenport sinkhole near Double Springs.	Lat 35°50'12", long 86°19'04". Crest stage gage located at sinkhole 300 feet east of Woodbury Street, 600 feet south of old U.S. Highway 70S, 400 feet north of new U.S. Highway 70S centerline.
10	Pitts sinkhole near Double Springs.	Lat 35°50'12", long 86°19'04". Crest stage gage located at sinkhole 100 feet south of Flat Rock Road, approximately 0.4 mile from intersection of Flat Rock Road and U.S. Highway 70S.
11	Arnold sinkhole near Double Springs.	Lat 35°50'26", long 86°19'30". Crest stage gage located at sinkhole 150 feet west of Flat Rock Road, approximately 0.7 mile from intersection of Flat Rock Road and U.S. Highway 70S.
12	Smotherman cave near Shiloh.	Lat 35°50'59", long 86°20'01". Upstream crest stage gage is located at entrance to cave at south side of sinkhole 450 feet southwest of Flat Rock Road, approximately 0.7 mile from intersection of Flat Rock Road and Halls Hill Pike. Downstream crest stage gage is located 100 feet north of cave entrance.
13	Middle Tennessee State University pond at Rutherford Boulevard at Murfreesboro.	Lat 35°50'55", long 86°21'15". Crest stage gage located at northeast wingwall of culvert on Rutherford Boulevard approximately 0.6 mile north of intersection of Rutherford Boulevard and U.S. Highway 70S.
14	Bryson sinkhole near Shiloh	Lat 35°51'14", long 86°21'00". Crest stage gage located at sinkhole 300 feet south of Halls Hill Pike, approximately 0.2 mile east of intersection of Halls Hill Pike and Rutherford Boulevard.

Appendix--Continued

[Lat, latitude; long, longitude; °, degrees; ', minutes; ", seconds]

Gage number on map	Station name	Location of gages
15	Double Springs Branch overflow at Murfreesboro.	Lat 35°51'24", long 86°20'48". Rain gage and upstream crest stage gage located 30 feet south of culvert on Halls Hill Pike, approximately 0.4 mile east of intersection of Halls Hill Pike and Rutherford Boulevard. Downstream crest stage gage located 50 feet north of culvert.
16	Arnette sinkhole near Shiloh	Lat 35°51'33", long 86°20'38". Crest stage gage located at sinkhole 150 feet west of Woods Edge Road, approximately 0.1 mile north of intersection of Woods Edge Road and Halls Hill Pike.
17	Price sinkhole near Shiloh	Lat 35°51'37", long 86°20'33". Crest stage gage located at sinkhole 100 feet east of cul de sac on Bark Drive.
18	Melton sinkhole near Shiloh	Lat 35°52'08", long 86°20'10". Crest stage gage located at sinkhole 150 feet east of Twin Oaks Drive, approximately 0.8 mile north of intersection of Twin Oaks Drive and Halls Hill Pike.
19	Bushman Creek near Shiloh	Lat 35°52'08", long 86°20'15". Upstream crest stage gage located at left bank 30 feet upstream of farm dam, approximately 4,000 feet upstream of Lascassas Pike. Downstream crest stage gage located at left bank 40 feet downstream of farm dam.
20	Bushman Creek near Compton	Lat 35°52'45", long 86°20'49". Crest stage gage located at left bank 100 feet upstream of culvert on Lascassas Pike.
21	Bushman Creek tributary at Rutherford Boulevard at Murfreesboro.	Lat 35°51'55", long 86°21'10". Upstream crest stage gage located at right wingwall of culvert on Rutherford Boulevard 0.6 mile north of intersection of Rutherford Boulevard and Halls Hill Pike. Downstream crest stage gage located at right wingwall of culvert.
22	Bushman Creek tributary near Murfreesboro.	Lat 35°52'28", long 86°21'06". Crest stage gage located at right bank 10 feet upstream of culvert on Old Lascassas Pike.
23	Bushman Creek tributary near Compton.	Lat 35°52'31", long 86°21'07". Upstream crest stage gage located at left bank 15 feet upstream of culvert on New Lascassas Pike. Downstream crest stage gage located at right bank 10 feet downstream of culvert.
24	Bushman Creek at Pitts Lane Ford near Compton.	Lat 35°53'08", long 86°20'47". Streamflow gage and crest stage gage located at right bank 30 feet upstream of culvert on Bushman Creek Road.
25	Bushman Creek near Murfreesboro	Lat 35°53'44", long 86°20'53". Crest stage gage located at upstream right wingwall of culvert on Osborne Lane.
26	Bushman Creek at Veterans Hospital near Lascassas.	Lat 35°54'22", long 86°20'53". Crest stage gage located at upstream right bank 30 feet south of culvert on Compton Road.
27	Hamilton Green sinkhole at DeJarnett Lane at Murfreesboro.	Lat 35°53'16", long 86°22'17". Crest stage gage located at sinkhole 70 feet north of DeJarnett Lane, approximately 0.6 mile east of intersection of DeJarnett Lane and U.S. Highway 231.
28	Hamilton Green depression near Compton.	Lat 35°53'34", long 86°22'27". Crest stage gage located at depression 300 feet west of Alexander Boulevard, approximately 0.3 mile north of intersection of Alexander Boulevard and DeJarnett Lane.

Appendix--Continued

[Lat, latitude; long, longitude; °, degrees; ', minutes; ", seconds]

Gage number on map	Station name	Location of gages
29	Dry Branch at Osborne Lane near Murfreesboro.	Lat 35°53'49", long 86°22'26". Crest stage gage located at upstream opening of corrugated metal pipe culvert on Osborne Lane, approximately 0.5 mile east of intersection of Osborne Lane and U.S. Highway 231.
30	Dry Branch near Walterhill	Lat 35°54'33", long 86°22'16". Crest stage gage located at upstream left wingwall of culvert on Compton Road.
31	Bear Branch at Murfreesboro	Lat 35°52'24", long 86°22'02". Rain gage and streamflow gage located at right bank 20 feet upstream of culvert on Northfield Boulevard.
32	Bear Branch near Murfreesboro	Lat 35°53'12", long 86°12'50". Upstream crest stage gage located at left bank 40 feet upstream of culvert on Dejarnett Lane. Downstream crest stage gage located at downstream left wingwall of culvert.
33	Bear Branch near Compton	Lat 35°53'48", long 86°21'27". Upstream crest stage gage located at left bank 20 feet upstream of corrugated metal pipe culvert on Osborne Lane. Downstream crest stage gage located at left bank 10 feet downstream of culvert.
34	Bear Branch near Lascassas	Lat 35°54'28", long 86°21'40". Rain gage and streamflow gage located at right bank 40 feet upstream of culvert on Compton Road.
35	County Farm rain gage near Murfreesboro.	Lat 35°46'12", long 86°22'48". Rain gage at Rutherford County Farm, approximately 0.2 mile east of Marshall Knob.
36	Jackson rain gage near Murfreesboro.	Lat 35°49'01", long 86°25'44". Rain gage located at intersection of Salem Road and Cason Lane, approximately 1.2 miles southwest of Interstate 24.
37	Armory rain gage at Murfreesboro	Lat 35°51'00", long 86°26'06". Rain gage located at National Guard Armory near intersection of Old Fort Parkway and Interstate 24.
38	Ellis rain gage near Dillton	Lat 35°46'48", long 86°19'01". Rain gage located at Lytle Creek Road, approximately 0.6 mile south of intersection of Lytle Creek Road and Wilson Road.
39	Lytle Creek at Dillton	Lat 35°47'18", long 86°19'36". Crest stage gage located at downstream left wingwall of culvert on Dillton-Mankin Road.
40	Lytle Creek at U.S. Highway 41 near Mankinville.	Lat 35°47'57", long 86°21'42". Crest stage gage located at downstream right wingwall of culvert on U.S. Highway 41.
41	Lytle Creek at Elam Road at Murfreesboro.	Lat 35°48'21", long 86°22'14". Crest stage gage located at downstream right wingwall of culvert on Elam Road.
42	Lytle Creek at Rutherford Boulevard near Murfreesboro.	Lat 35°48'50", long 86°22'37". Crest stage gage located at downstream left wingwall of culvert on Rutherford Boulevard.
43	Lytle Creek at Saratoga near Murfreesboro.	Lat 35°49'17", long 86°22'51". Crest stage gage located at left bank 200 feet south of cul de sac on Margaret Circle, approximately 4,000 feet downstream of culvert on Rutherford Boulevard.
44	Lytle Creek at Sanbyrn Drive at Murfreesboro.	Lat 35°49'17", long 86°23'28". Rain gage, streamflow gage, and upstream crest stage gage located at left bank 75 feet upstream of bridge on Sanbyrn Drive. Downstream crest stage gage located at left abutment of bridge.

Appendix--Continued

[Lat, latitude; long, longitude; °, degrees; ', minutes; ", seconds]

Gage number on map	Station name	Location of gages
45	Lytle Creek at U.S. Highway 231 at Murfreesboro.	Lat 35°50'06", long 86°23'35". Crest stage gage located at upstream left abutment of bridge on U.S. Highway 231.
46	Lytle Creek at upper CSX railroad bridge at Murfreesboro.	Lat 35°50'10", long 86°23'42". Crest stage gage located at left bank 100 feet downstream of railroad bridge, approximately 500 feet downstream of bridge on U.S. Highway 231.
47	Lytle Creek at Old Salem Road at Murfreesboro.	Lat 35°50'24", long 86°23'46". Crest stage gage located at downstream left abutment of bridge on Old Salem Road.
48	Lytle Creek at middle CSX railroad bridge at Murfreesboro.	Lat 35°50'36", long 86°23'52". Crest stage gage located at left bank 30 feet downstream of railroad bridge, approximately 1,000 feet downstream of bridge on Old Salem Road.
49	Todds Lake at Kensington Drive at Murfreesboro.	Lat 35°49'07", long 86°22'01". Crest stage gage located at dam spillway 350 feet northeast of Kensington Drive, approximately 2,000 feet downstream of culvert on Rutherford Boulevard.
50	Todds Lake drainage at South Tennessee Boulevard at Murfreesboro.	Lat 35°49'55", long 86°22'25". Crest stage gage located at sinkhole 1,500 feet east of intersection of Bradyville Pike and South Tennessee Boulevard.
51	Todds Lake drainage at levee at Murfreesboro.	Lat 35°50'12", long 86°23'03". Crest stage gage located at sinkhole 300 feet southeast of intersection of U.S. Highway 41 and U.S. Highway 70S.
52	Lytle Creek at Murfreesboro	Lat 35°50'47", long 86°23'45". Upstream crest stage gage located at left bank 100 feet upstream of bridge at intersection of U.S. Highway 41/70S and Main Street. Downstream crest stage gage located at downstream left abutment of bridge.
53	Lytle Creek at Northwest Broad Street at Murfreesboro.	Lat 35°50'53", long 86°23'53". Crest stage gage located at downstream left abutment of bridge on U.S. Highway 41/70S, approximately 0.15 mile northwest of intersection of U.S. Highway 41/70S and Main Street.
54	Lytle Creek at Carnation Street at Murfreesboro.	Lat 35°50'50", long 86°24'05". Crest stage gage located at upstream right abutment of bridge on Carnation Street.
55	Lytle Creek at Old Fort Parkway at Murfreesboro.	Lat 35°50'53", long 86°24'11". Crest stage gage located at right bank 60 feet downstream of Old Fort Parkway bridge.
56	Sinking Creek at North Tennessee Boulevard at Murfreesboro.	Lat 35°50'47", long 86°22'19". Crest stage gage located at downstream right wingwall of culvert on North Tennessee Boulevard at intersection of North Tennessee Boulevard and Lytle Street.
57	Sinking Creek at East Road at Murfreesboro.	Lat 35°51'00", long 86°22'35". Crest stage gage located at downstream right wingwall of culvert on East Road.
58	Sinking Creek at Greenland Drive at Murfreesboro.	Lat 35°51'07", long 86°22'47". Crest stage gage located at downstream left wingwall of culvert on Greenland Drive.
59	Sinking Creek at Highland Avenue at Murfreesboro.	Lat 35°51'24", long 86°22'56". Crest stage gage located at downstream center wall of culvert on Highland Avenue.
60	Sinking Creek at East Clark Boulevard at Murfreesboro.	Lat 35°51'41", long 86°23'07". Upstream crest stage gage located at upstream right wingwall of culvert on East Clark Boulevard. Downstream crest stage gage located at left bank approximately 300 feet downstream of culvert.

Appendix--Continued

[Lat, latitude; long, longitude; °, degrees; ', minutes; ", seconds]

Gage number on map	Station name	Location of gages
61	Sinking Creek at U.S. Highway 231 at Murfreesboro.	Lat 35°51'54", long 86°23'21". Upstream crest stage gage located at left bank 100 feet upstream of culvert on U.S. Highway 231. Downstream crest stage gage located at downstream center wall of culvert.
62	Sinking Creek near Murfreesboro	Lat 35°52'09", long 86°23'23". Rain gage and streamflow gage located at left bank 60 feet upstream of culvert on Sulphur Springs Road near intersection of Sulphur Springs Road and Cross Drive.
63	Sinking Creek at Cross Drive at Murfreesboro.	Lat 35°52'15", long 86°23'36". Crest stage gage located at left bank 50 feet downstream of culvert on Sulphur Springs Road near the intersection of Sulphur Springs Road and Cross Drive.
64	Sinking Creek at Northfield Boulevard at Murfreesboro.	Lat 35°52'29", long 86°23'44". Crest stage gage located at downstream left wingwall of culvert on Northfield Boulevard.
65	Sinking Creek at Sulphur Springs Road at Murfreesboro.	Lat 35°52'59", long 86°23'57". Crest stage gage located at downstream left wingwall of culvert on Sulphur Springs Road, approximately 0.6 mile north of intersection of Sulphur Springs Road and Northfield Boulevard.
66	Sinking Creek at Haynes Drive at Murfreesboro.	Lat 35°53'30", long 86°24'39". Crest stage gage located at downstream left wingwall of culvert on Haynes Drive.
67	Thompson Lane depression at Seigel Road at Murfreesboro.	Lat 35°54'14", long 86°24'10". Crest stage gage located at depression 20 feet east of Seigel Road, approximately 0.6 mile from intersection of Seigel Road and Thompson Lane.
68	Thompson Lane depression near Murfreesboro.	Lat 35°54'43", long 86°24'41". Upstream crest stage gage located at depression on west side of Thompson Lane approximately 0.6 mile west of the intersection of Thompson Lane and Seigel Road. Downstream crest stage gage located in depression on east side of Thompson Lane.

**WILLOW, SUMNER, JEMP,
Oaks, and Adams**

**WILLOW, SUMNER, JEMP, AND PEAK STAGE DATA COLLECTED
AT THE MURFREESBORO, TENNESSEE, GAGING NETWORK,
MARCH 1989 THROUGH JULY 1992**

USGS/OFR 92-482